

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
 Data File : BN002142.D
 Acq On : 25 Jul 2018 18:53
 Operator : JU/SJ
 Sample : PB111227BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 26 04:59:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 20:08:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	324734	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1301709	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	748737	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1649134	20.00	ng	0.00
75) Chrysene-d12	21.27	240	1443007	20.00	ng	0.00
86) Perylene-d12	23.50	264	1230762	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	2715523	134.63	ng	0.00
7) Phenol-d6	6.89	99	3681433	130.06	ng	0.01
23) Nitrobenzene-d5	8.85	82	2234904	88.05	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	1318824	135.64	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	4977538	86.59	ng	0.00
78) Terphenyl-d14	19.71	244	6510860	94.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	498	0.066	ng	# 41
3) Pyridine	3.75	79	111	0.005	ng	# 1
4) n-Nitrosodimethylamine	3.60	42	193	0.021	ng	# 1
6) Aniline	7.23	93	4163	0.120	ng	# 1
8) 2-Chlorophenol	7.27	128	533	0.023	ng	# 1
9) Benzaldehyde	6.89	77	6290	0.361	ng	# 5
10) Phenol	6.89	94	668	0.023	ng	# 1
11) bis(2-Chloroethyl)ether	7.23	93	4163	0.176	ng	# 1
15) Benzyl Alcohol	8.01	79	36908	1.728	ng	# 43
17) 2-Methylphenol	8.02	107	287	0.014	ng	# 1
19) n-Nitroso-di-n-propylamine	8.85	70	303982	14.806	ng	# 77
20) 3+4-Methylphenols	8.02	107	287	0.010	ng	# 1
22) Acetophenone	8.00	105	201	0.006	ng	# 1
24) Nitrobenzene	8.85	77	6983	0.265	ng	# 44
31) Naphthalene	10.52	128	118	0.002	ng	# 68
45) 1,1'-Biphenyl	13.16	154	7530	0.114	ng	# 95
47) 2-Nitroaniline	12.95	65	8674	0.530	ng	# 1
48) Acenaphthylene	14.45	152	124	0.002	ng	# 59
49) Dimethylphthalate	13.79	163	2879	0.046	ng	# 77
50) 2,6-Dinitrotoluene	14.32	165	96128	6.957	ng	# 21
51) Acenaphthene	14.32	154	2806	0.060	ng	# 5
56) 2,4-Dinitrotoluene	14.32	165	96128	5.126	ng	# 18
57) Fluorene	15.82	166	62787	1.105	ng	# 87
59) Diethylphthalate	15.16	149	14449	0.228	ng	# 96
62) Azobenzene	15.82	77	6923	0.114	ng	# 8
64) 4,6-Dinitro-2-methylphenol	15.82	198	3411	0.306	ng	# 1
65) n-Nitrosodiphenylamine	15.82	169	46903	0.857	ng	# 40
66) 4-Bromophenyl-phenylether	15.82	248	93205	4.828	ng	# 1
70) Phenanthrene	17.12	178	358	0.004	ng	# 60
71) Anthracene	17.12	178	358	0.004	ng	# 59
73) Di-n-butylphthalate	18.05	149	964	0.009	ng	# 78
76) Benzidine	19.33	184	3011	0.064	ng	# 95
77) Pyrene	19.71	202	22901	0.230	ng	# 55
79) Butylbenzylphthalate	20.41	149	217	0.005	ng	# 62

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 25 20:08:02 2018
Response via : Initial Calibration

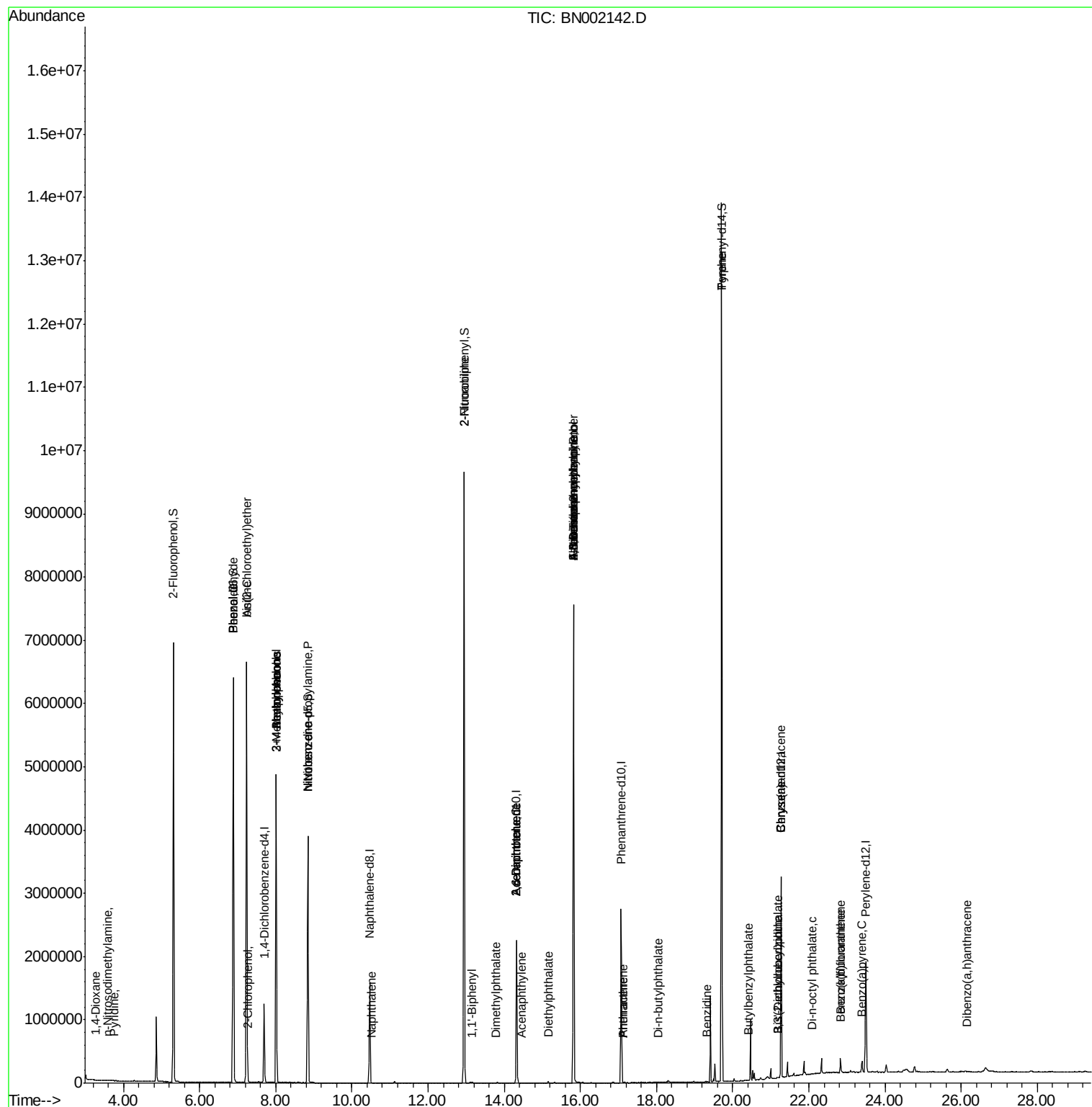
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	21.27	228	3781	0.043	ng	# 73
81) 3,3'-Dichlorobenzidine	21.20	252	262	0.008	ng	# 26
82) Chrysene	21.27	228	3781	0.045	ng	# 69
83) Bis(2-ethylhexyl)phthalate	21.19	149	1978	0.033	ng	# 50
84) Di-n-octyl phthalate	22.08	149	469	0.005	ng	# 74
87) Benzo(b)fluoranthene	22.83	252	108	0.001	ng	# 1
88) Benzo(k)fluoranthene	22.85	252	405	0.006	ng	# 1
89) Benzo(a)pyrene	23.39	252	341	0.005	ng	# 1
90) Dibenzo(a,h)anthracene	26.16	278	113	0.002	ng	# 58

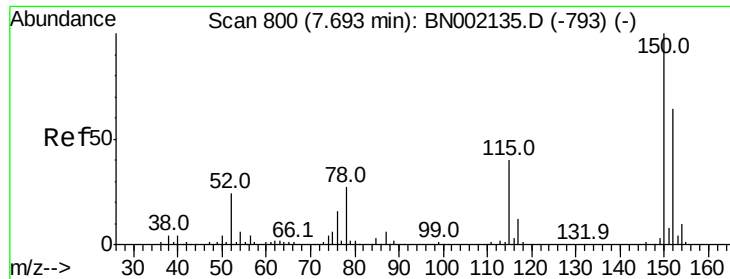
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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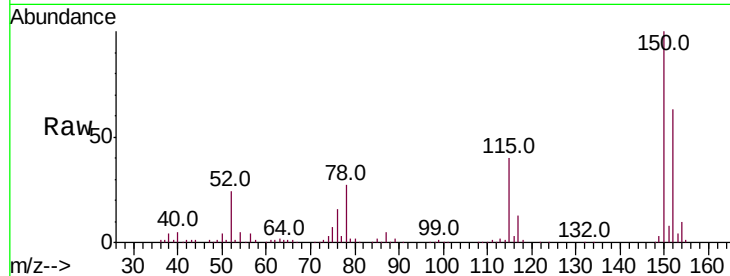


#1

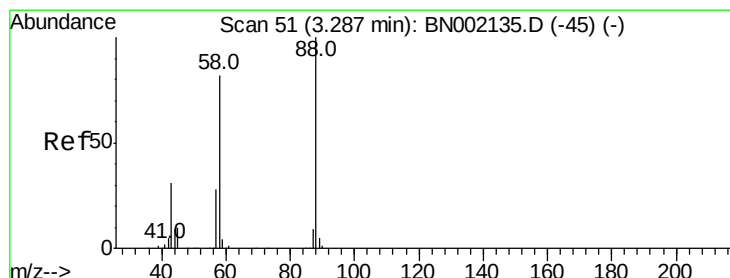
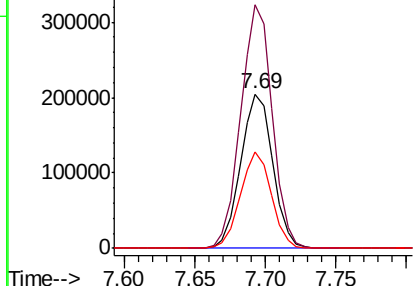
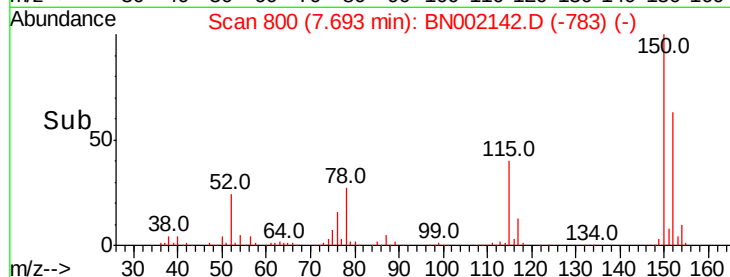
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 324734
Ion Ratio Lower Upper
152 100
150 157.6 126.6 189.8
115 62.3 53.0 79.4



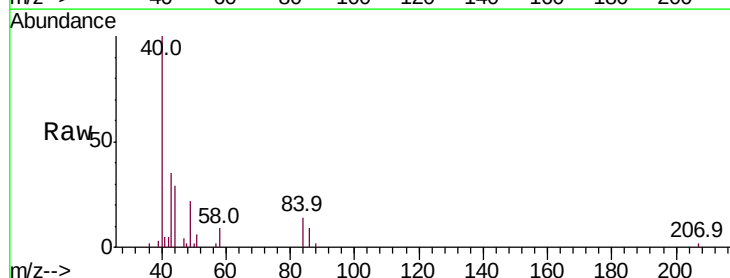
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



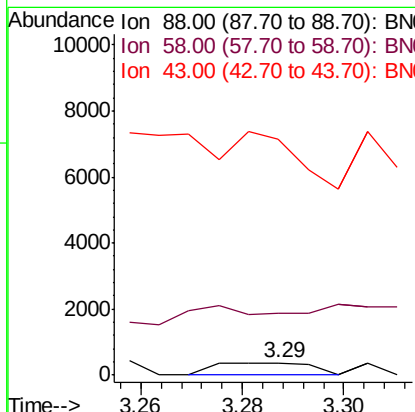
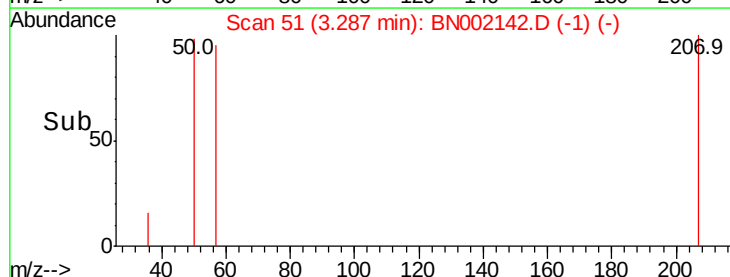
#2

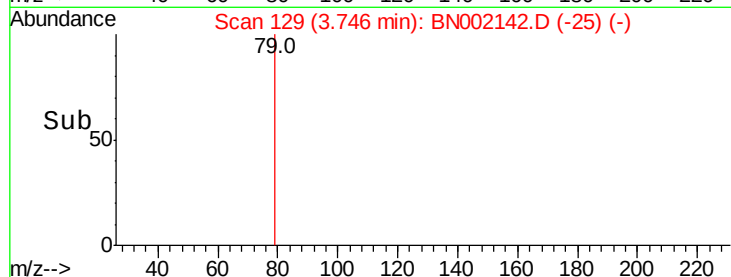
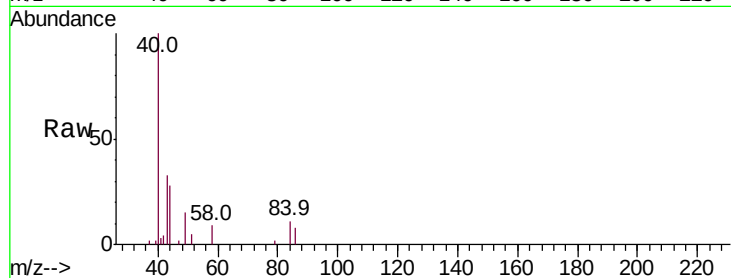
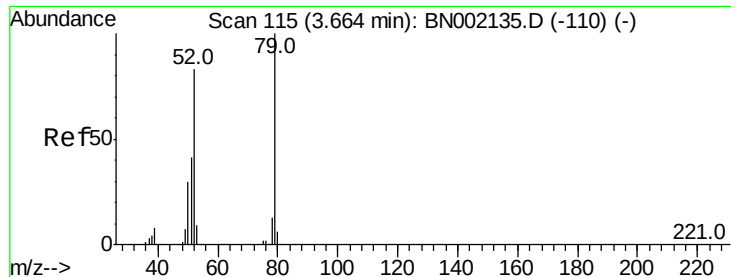
1,4-Dioxane
Concen: 0.066 ng
RT: 3.29 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Tgt Ion: 88 Resp: 498
Ion Ratio Lower Upper
88 100
58 114.3 52.0 78.0#
43 0.0 20.0 30.0#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC

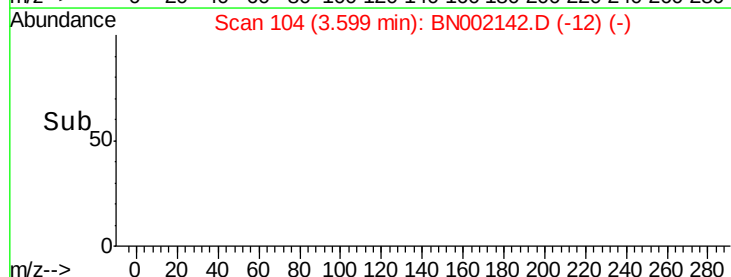
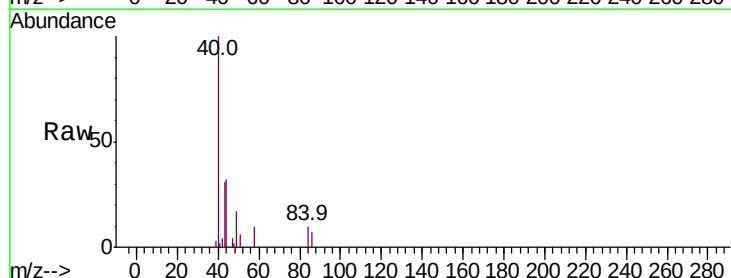
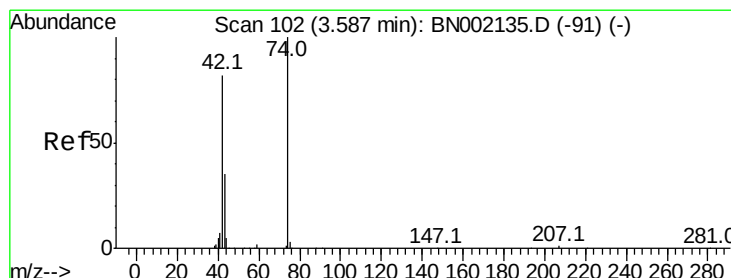
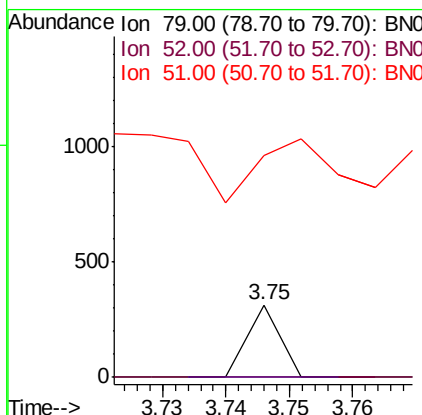




#3
 Pvridine
 Concen: 0.005 ng
 RT: 3.75 min Scan# 129
 Delta R.T. 0.08 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

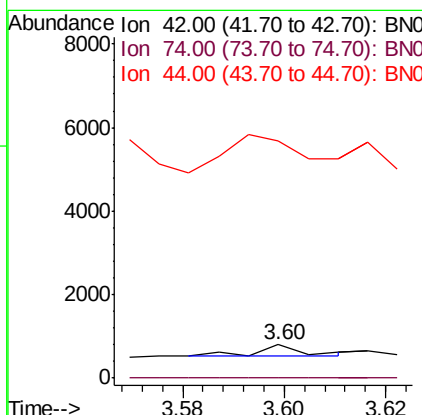
Instrument :
 BNA_N
 ClientSampled :

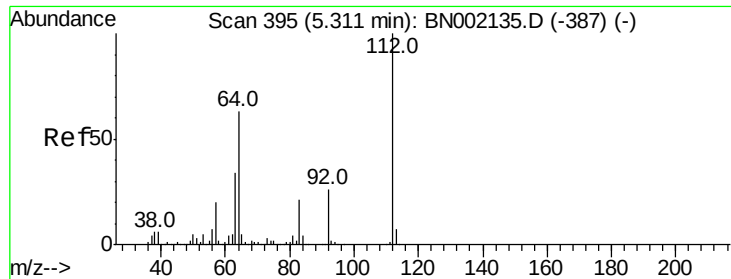
Tot Ion: 79 Resp: 111
 Ion Ratio Lower Upper
 79 100
 52 0.0 44.0 66.0#
 51 305.4 24.0 36.0#



#4
 n-Nitrosodimethylamine
 Concen: 0.021 ng
 RT: 3.60 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

Tgt Ion: 42 Resp: 193
 Ion Ratio Lower Upper
 42 100
 74 0.0 128.0 192.0#
 44 715.1 12.0 18.0#





#5

2-Fluorophenol

Concen: 134.627 ng

RT: 5.32 min Scan# 396

Delta R.T. 0.01 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampled :

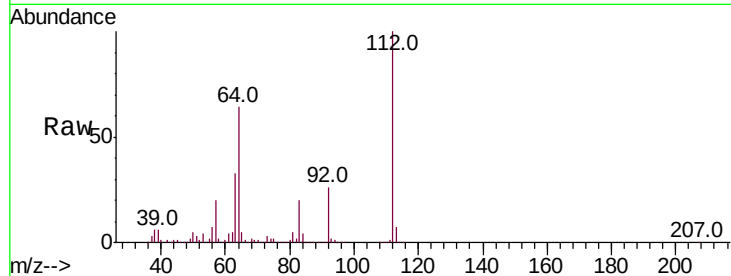
Tot Ion:112 Resp: 271523

Ion Ratio Lower Upper

112 100

64 63.6 56.3 84.5

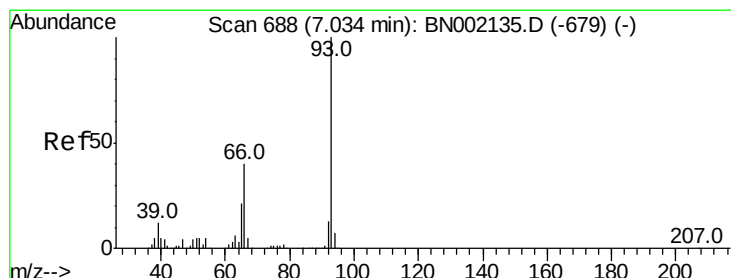
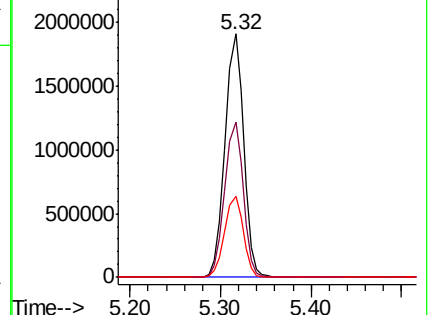
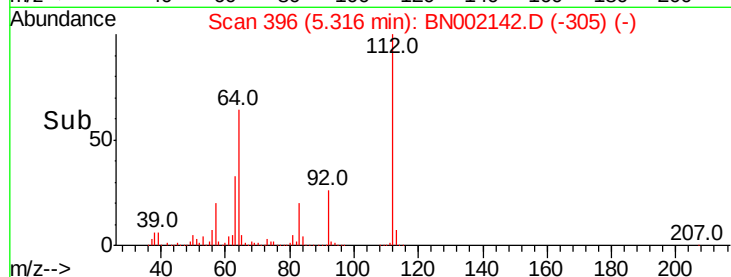
63 33.3 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 0.120 ng

RT: 7.23 min Scan# 722

Delta R.T. 0.20 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

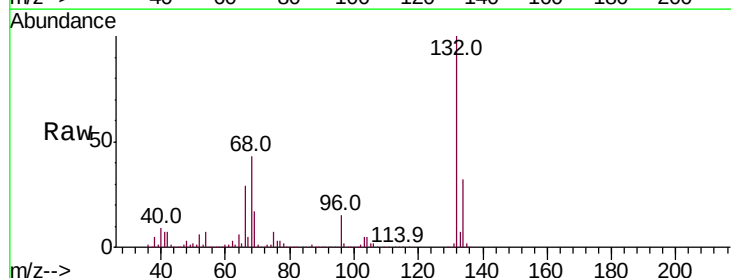
Tgt Ion: 93 Resp: 4163

Ion Ratio Lower Upper

93 100

66 20804.4 33.7 50.5#

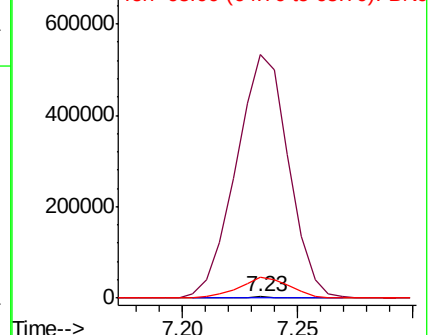
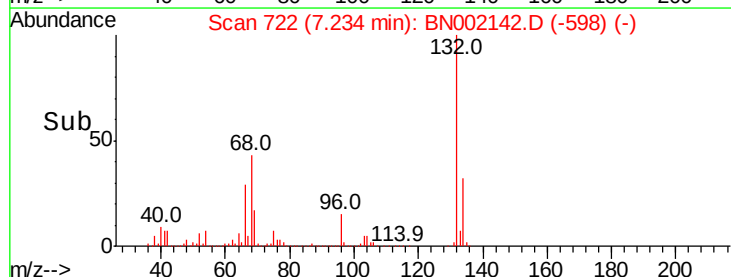
65 1746.5 16.1 24.1#

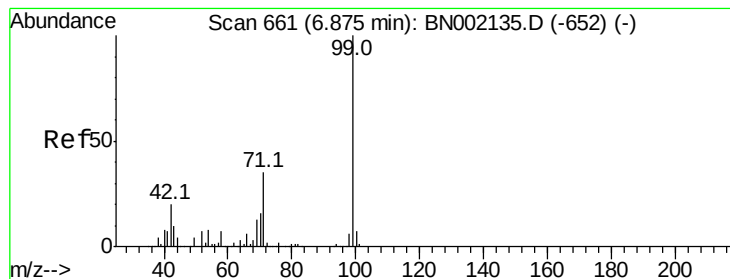


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 130.058 ng

RT: 6.89 min Scan# 663

Delta R.T. 0.01 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampled :

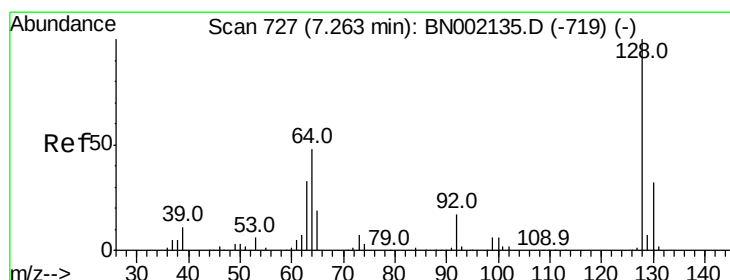
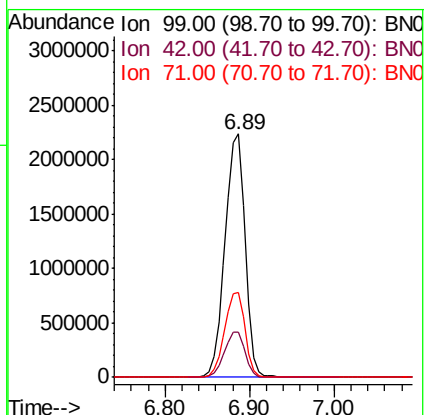
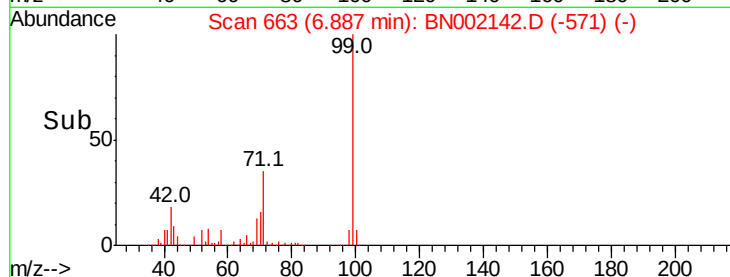
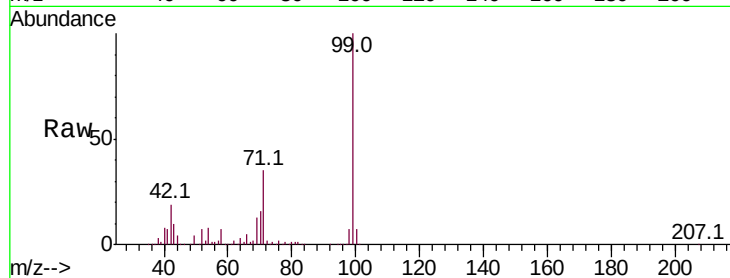
Tot Ion: 99 Resp: 3681433

Ion Ratio Lower Upper

99 100

42 18.5 14.1 21.1

71 34.9 26.1 39.1



#8

2-Chlorophenol

Concen: 0.023 ng

RT: 7.27 min Scan# 728

Delta R.T. 0.01 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

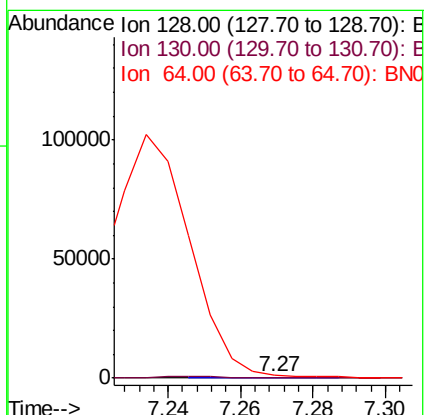
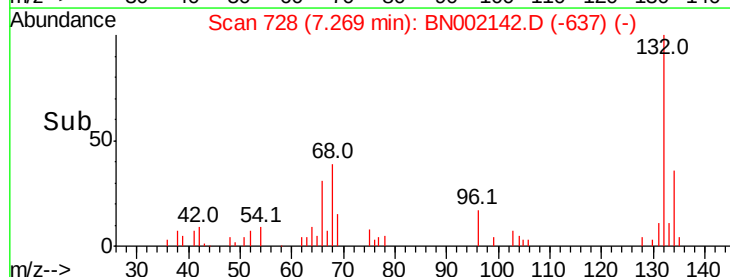
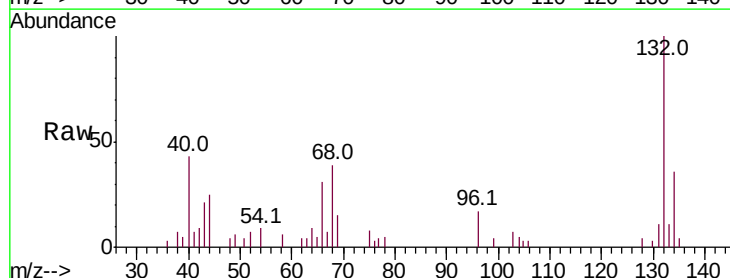
Tgt Ion:128 Resp: 533

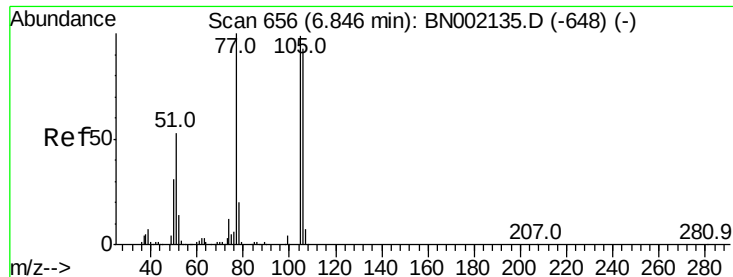
Ion Ratio Lower Upper

128 100

130 74.2 14.0 54.0#

64 237.0 37.7 77.7#





#9

Benzaldehyde

Concen: 0.361 ng

RT: 6.89 min Scan# 663

Delta R.T. 0.04 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampled :

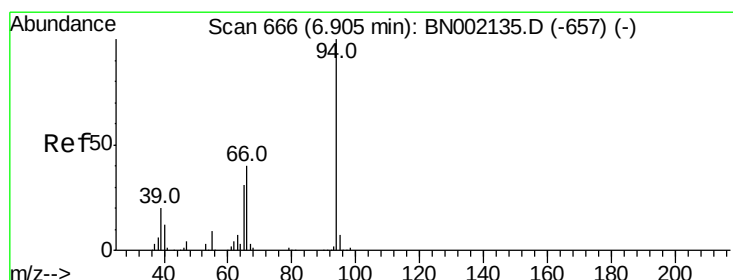
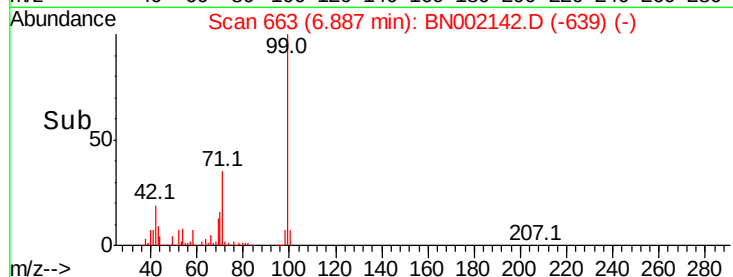
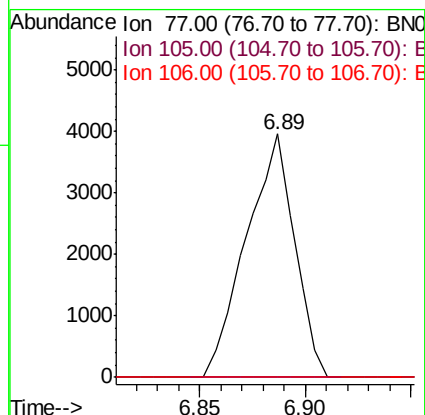
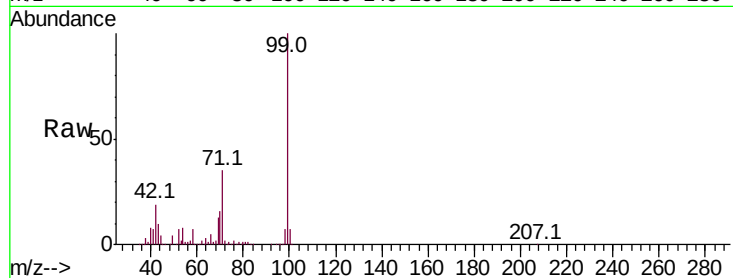
Tot Ion: 77 Resp: 6290

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

106 0.0 64.2 104.2#



#10

Phenol

Concen: 0.023 ng

RT: 6.89 min Scan# 663

Delta R.T. -0.02 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

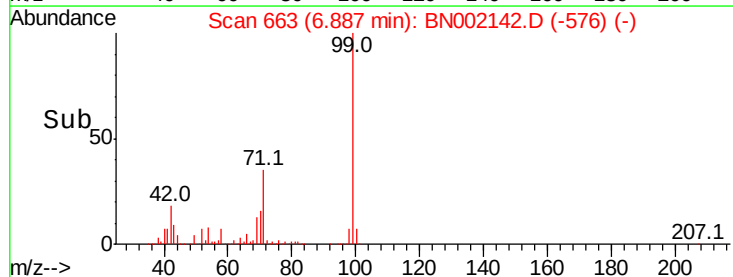
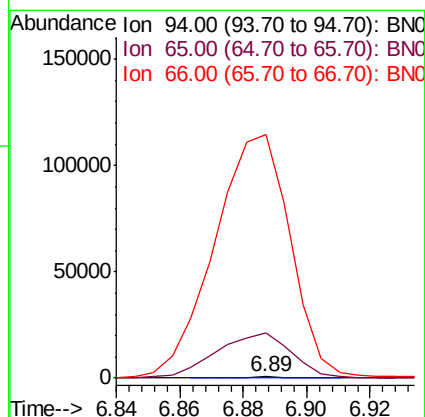
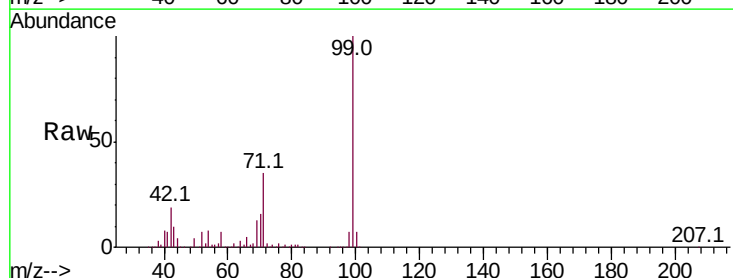
Tgt Ion: 94 Resp: 668

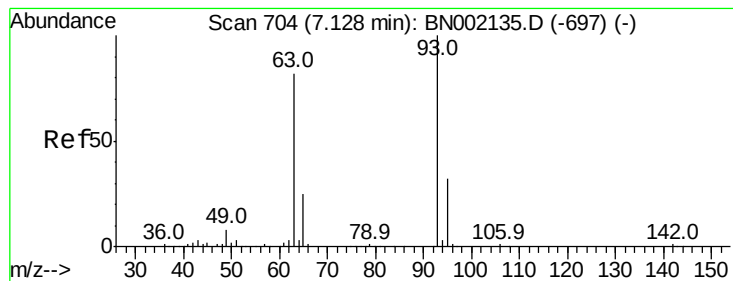
Ion Ratio Lower Upper

94 100

65 3800.7 11.9 51.9#

66 20384.3 22.2 62.2#

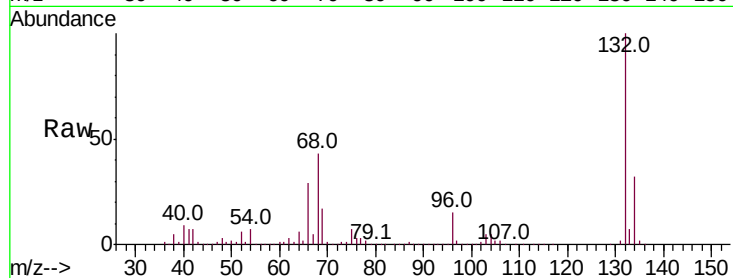




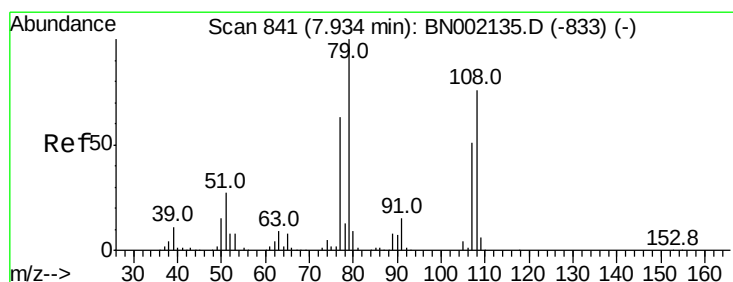
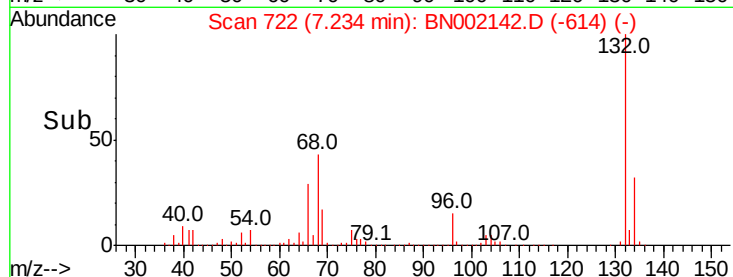
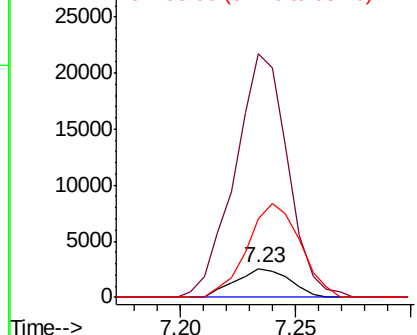
#11
bis(2-Chloroethyl)ether
Concen: 0.176 ng
RT: 7.23 min Scan# 722
Delta R.T. 0.11 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Instrument :
BNA_N
ClientSampleId :

Tot Ion: 93 Resp: 4163
Ion Ratio Lower Upper
93 100
63 847.8 67.1 107.1#
95 275.6 11.5 51.5#

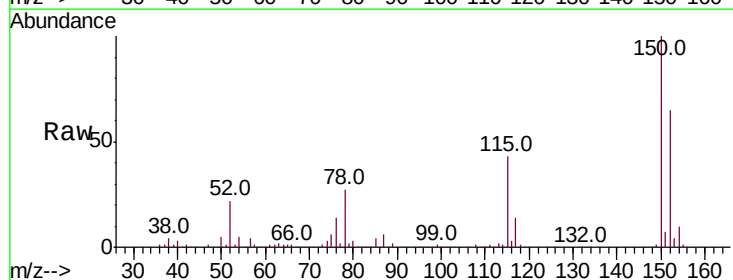


Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0

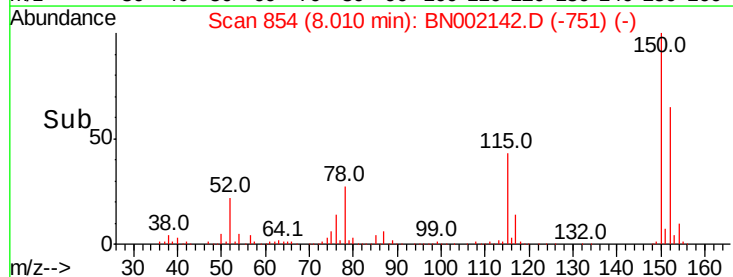
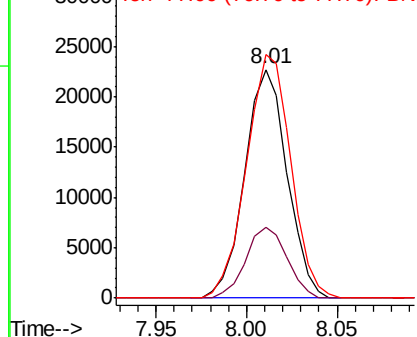


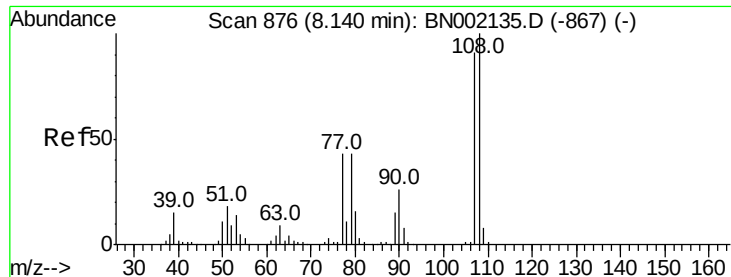
#15
Benzyl Alcohol
Concen: 1.728 ng
RT: 8.01 min Scan# 854
Delta R.T. 0.08 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Tgt Ion: 79 Resp: 36908
Ion Ratio Lower Upper
79 100
108 30.9 57.2 85.8#
77 106.5 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BN0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BN0





#17

2-Methylphenol

Concen: 0.014 ng

RT: 8.02 min Scan# 856

Delta R.T. -0.12 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

Tot Ion:107 Resp: 287

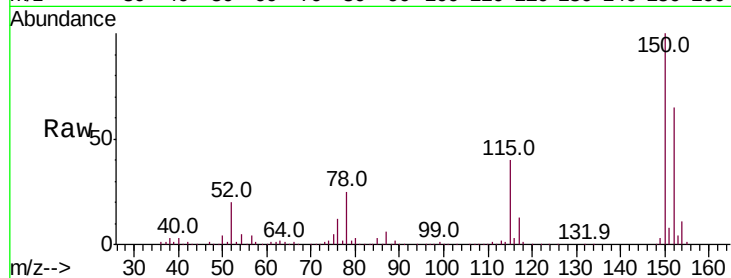
Ion Ratio Lower Upper

107 100

108 906.7 83.9 125.9#

77 3768.9 37.2 55.8#

79 2788.9 36.2 54.2#

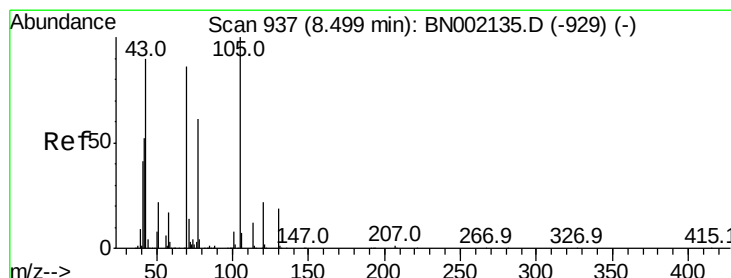
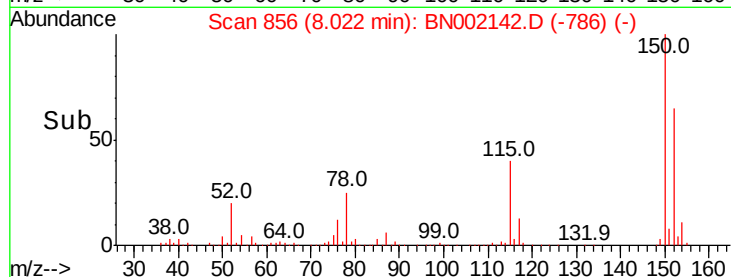
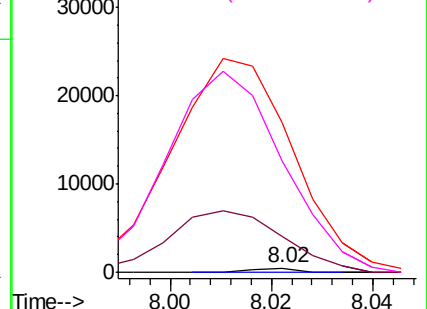


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#19

n-Nitroso-di-n-propylamine

Concen: 14.806 ng

RT: 8.85 min Scan# 996

Delta R.T. 0.35 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Tgt Ion: 70 Resp: 303982

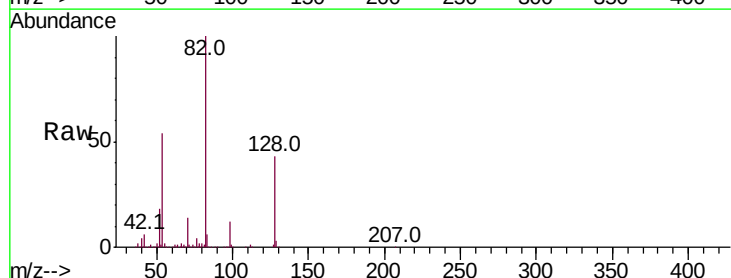
Ion Ratio Lower Upper

70 100

42 46.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

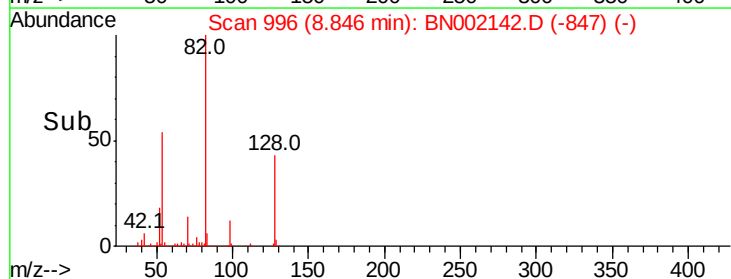
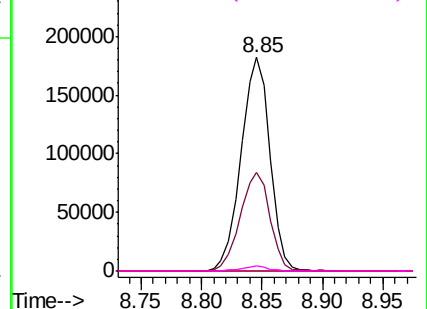


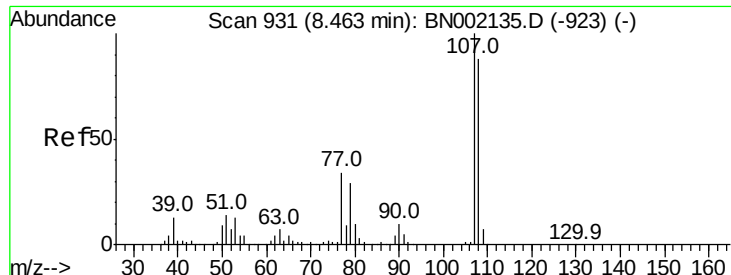
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 0.010 ng

RT: 8.02 min Scan# 856

Delta R.T. -0.44 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

Tot Ion:107 Resp: 287

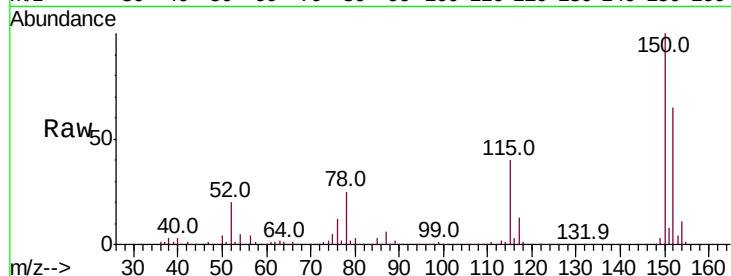
Ion Ratio Lower Upper

107 100

108 906.7 61.6 101.6#

77 3768.9 13.9 53.9#

79 2788.9 8.8 48.8#

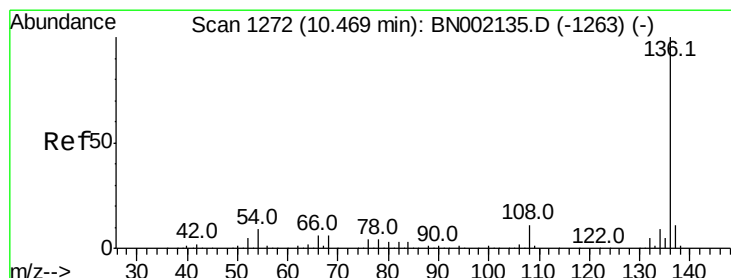
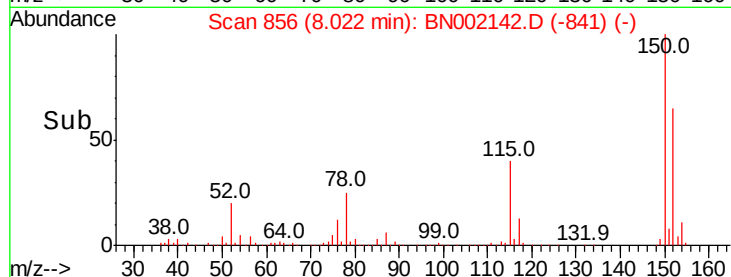
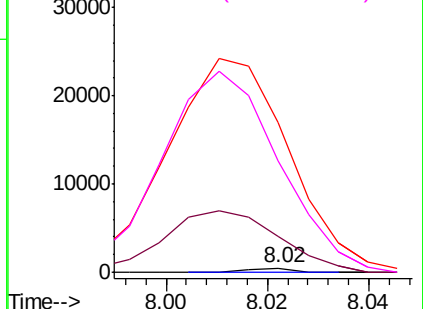


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Tgt Ion:136 Resp: 1301709

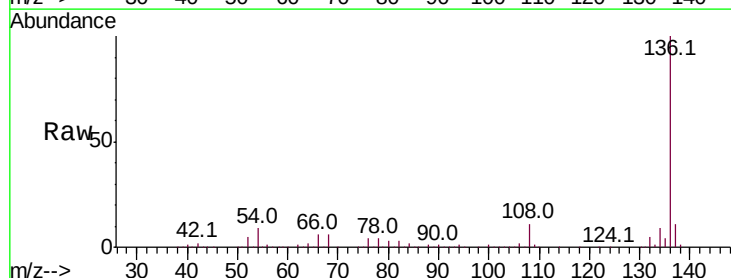
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 9.5 10.3 15.5#

68 5.9 4.5 6.7

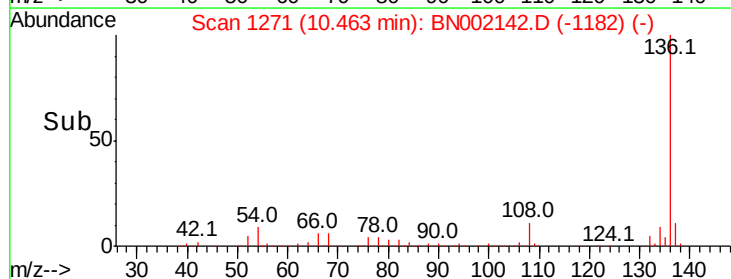
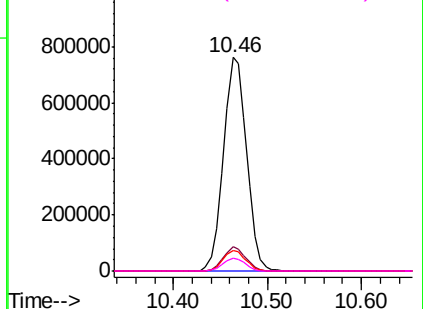


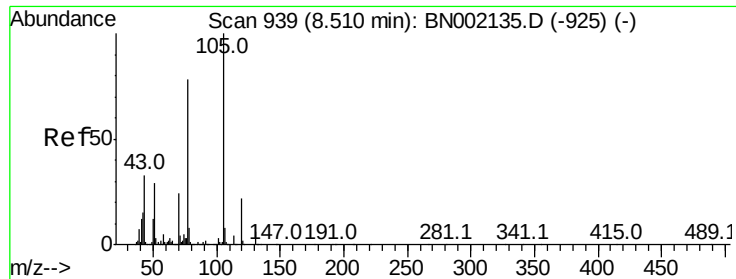
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC





#22

Acetophenone

Concen: 0.006 ng

RT: 8.00 min Scan# 853

Delta R.T. -0.51 min

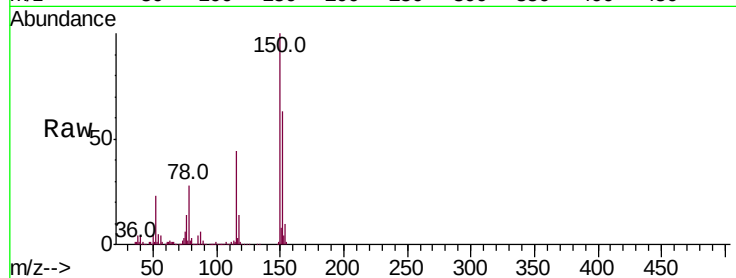
Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampled :



Tot Ion:105 Resp: 201

Ion Ratio Lower Upper

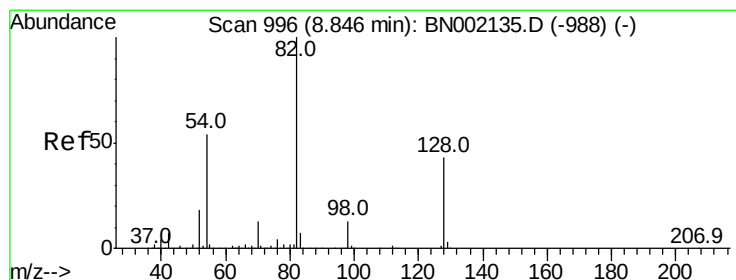
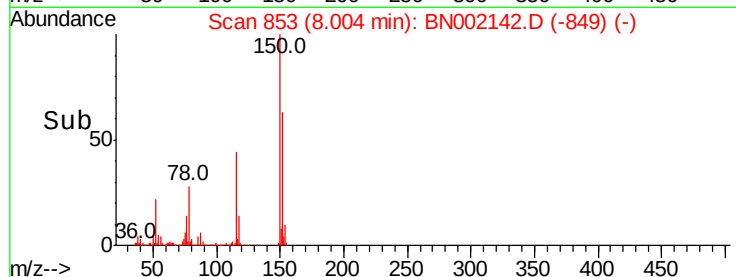
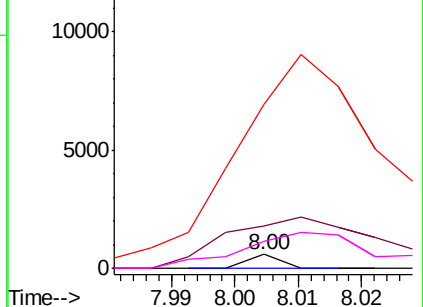
105	100		
71	315.1	3.0	4.4#
51	1213.3	26.1	39.1#
120	195.1	17.4	26.2#

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BNC

Ion 51.00 (50.70 to 51.70): BNC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 88.048 ng

RT: 8.85 min Scan# 996

Delta R.T. 0.00 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Tgt Ion: 82 Resp: 2234904

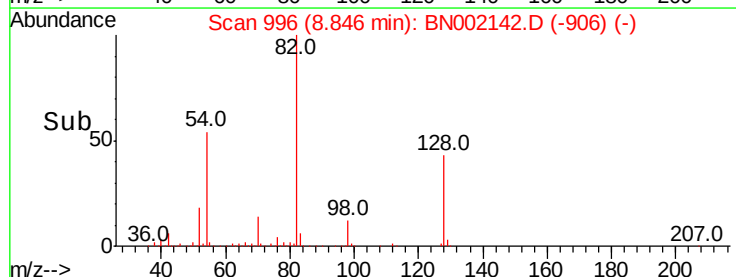
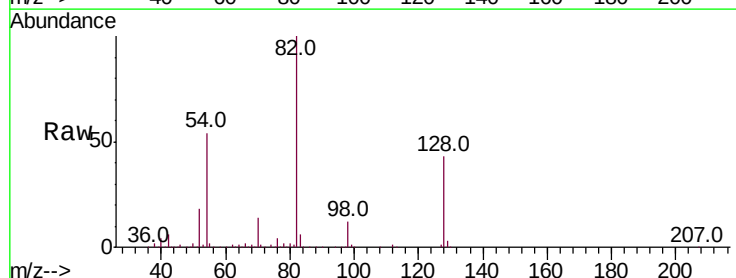
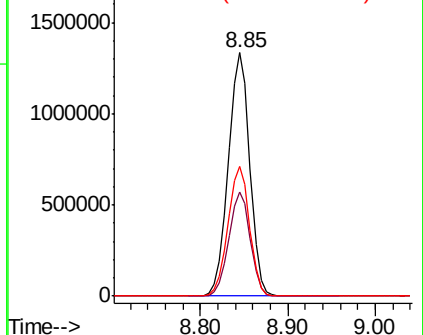
Ion Ratio Lower Upper

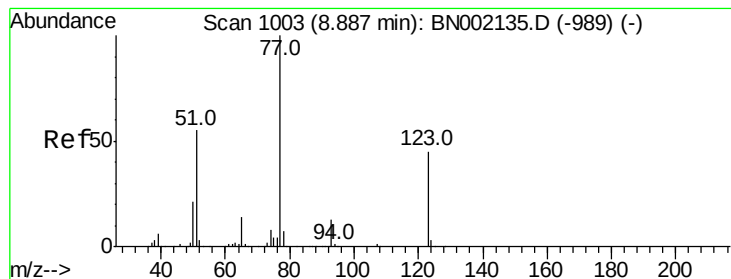
82	100		
128	42.9	29.7	44.5
54	53.5	43.1	64.7

Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#24

Nitrobenzene

Concen: 0.265 ng

RT: 8.85 min Scan# 996

Delta R.T. -0.04 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

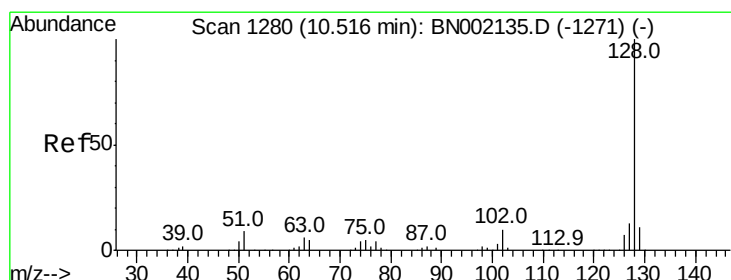
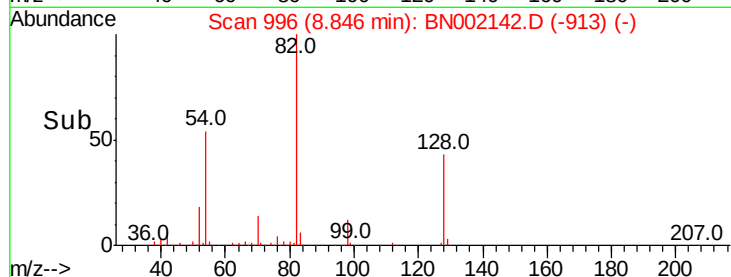
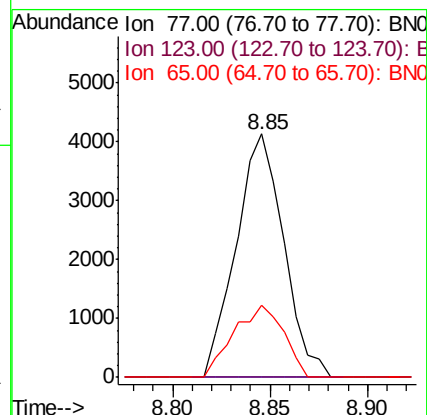
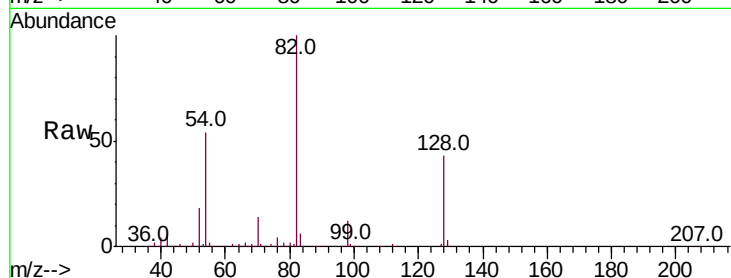
Tot Ion: 77 Resp: 6983

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 29.6 13.0 19.6#



#31

Naphthalene

Concen: 0.002 ng

RT: 10.52 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

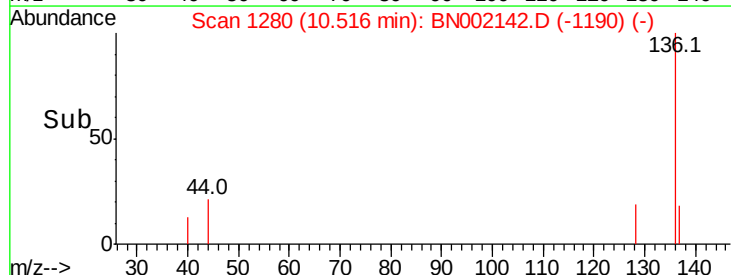
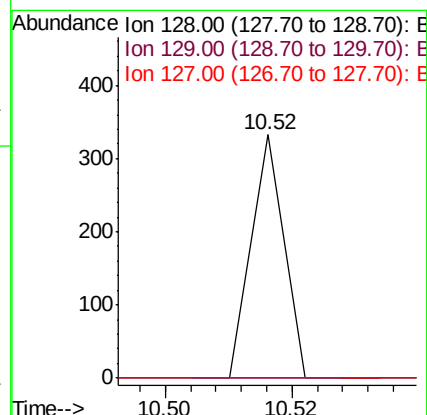
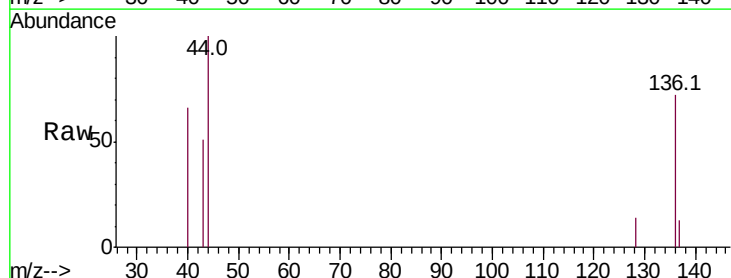
Tgt Ion: 128 Resp: 118

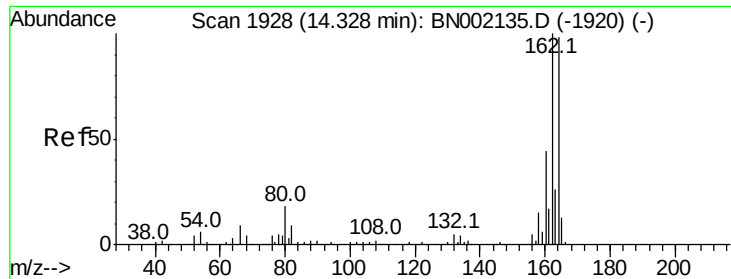
Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

127 0.0 11.6 17.4#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

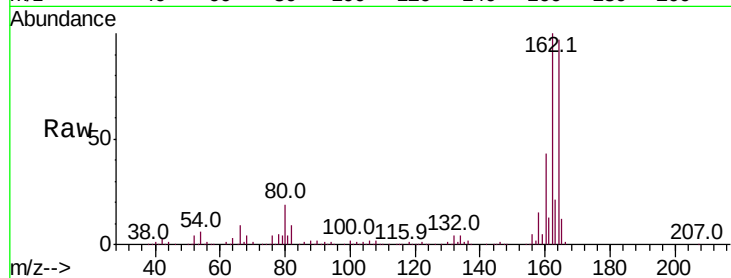
Instrument :

BNA_N

ClientSampleId :

Tot Ion:164 Resp: 748737

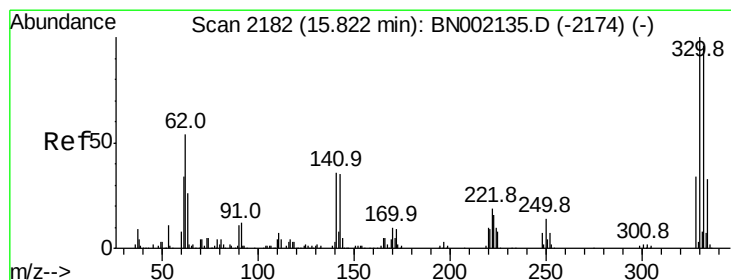
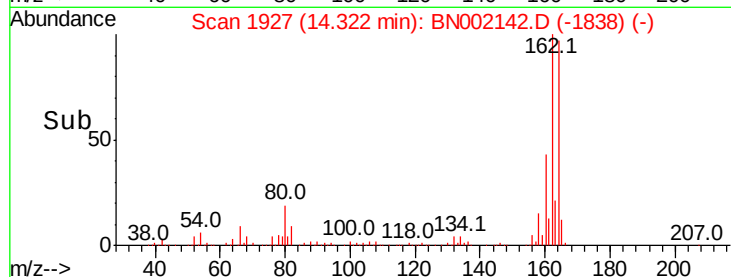
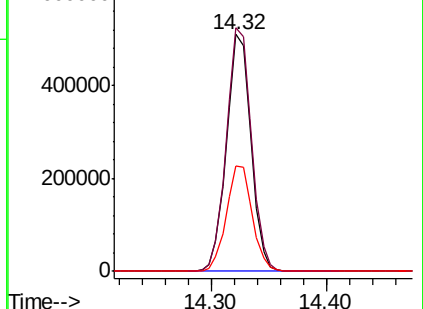
Ion	Ratio	Lower	Upper
164	100		
162	102.8	78.8	118.2
160	44.6	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 135.644 ng

RT: 15.82 min Scan# 2182

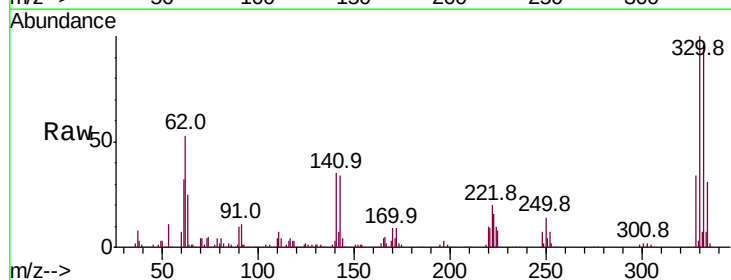
Delta R.T. 0.00 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Tgt Ion:330 Resp: 1318824

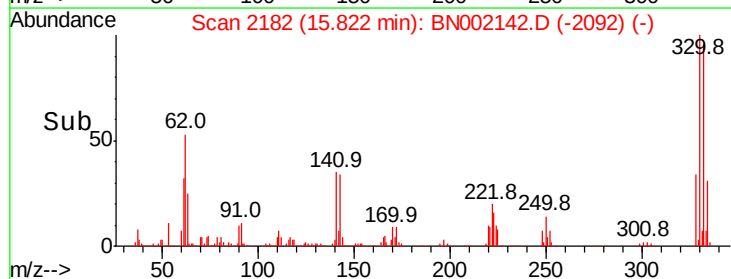
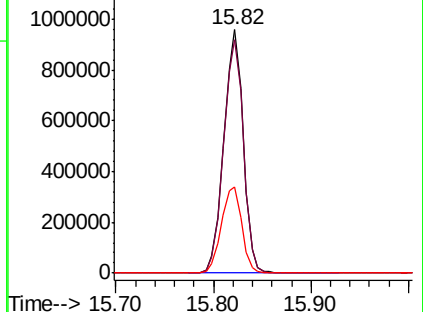
Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.0	115.6
141	37.3	25.2	37.8

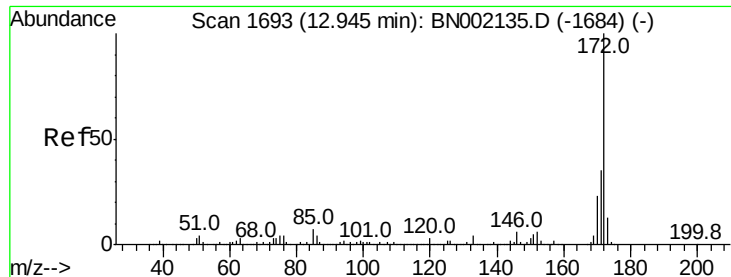


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

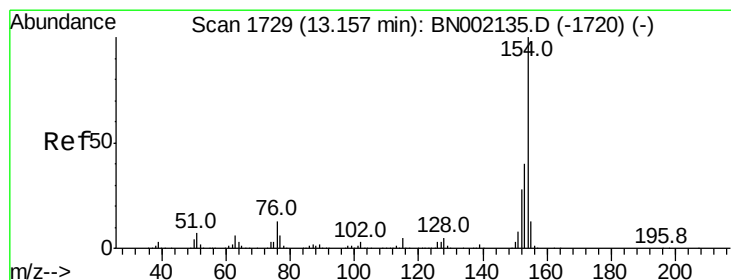
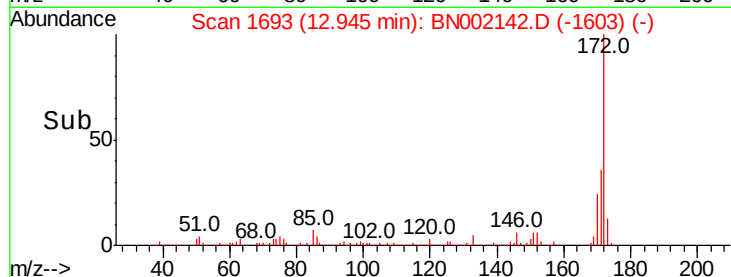
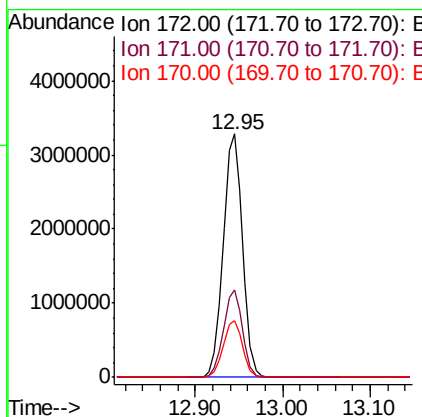
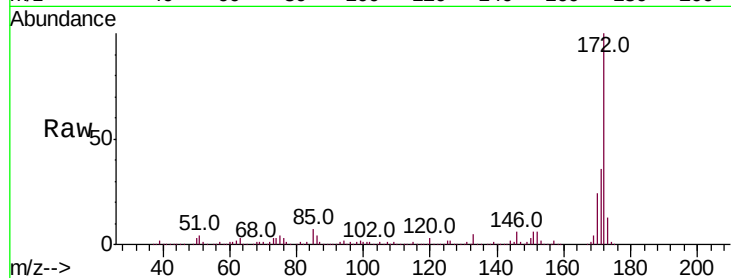




#44
2-Fluorobiphenyl
Concen: 86.590 ng
RT: 12.95 min Scan# 1693
Delta R.T. 0.00 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

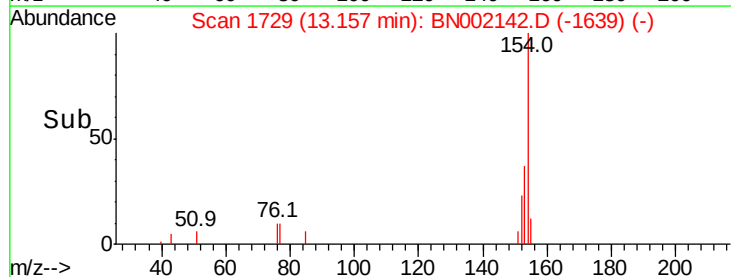
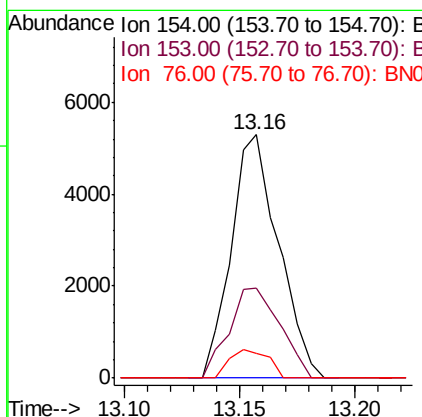
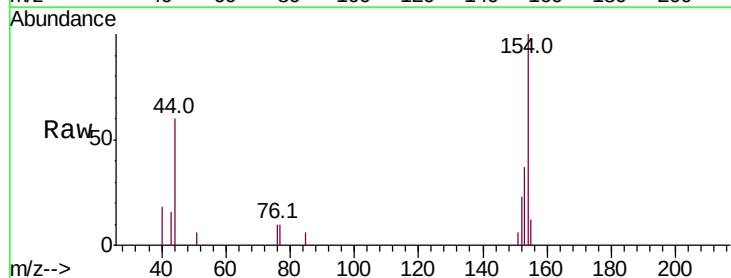
Instrument :
BNA_N
ClientSampleId :

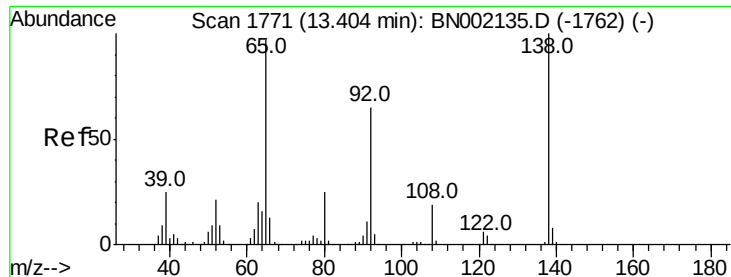
Tot Ion:172 Resp: 4977538
Ion Ratio Lower Upper
172 100
171 35.9 30.0 45.0
170 23.6 19.5 29.3



#45
1,1'-Biphenyl
Concen: 0.114 ng
RT: 13.16 min Scan# 1729
Delta R.T. 0.00 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Tgt Ion:154 Resp: 7530
Ion Ratio Lower Upper
154 100
153 36.8 19.8 59.8
76 9.9 0.0 31.9





#47

2-Nitroaniline

Concen: 0.530 ng

RT: 12.95 min Scan# 1693

Delta R.T. -0.46 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampled :

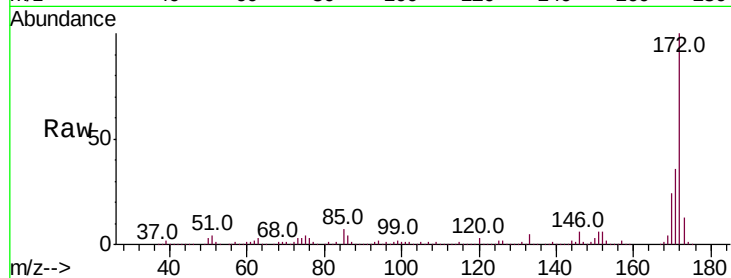
Tot Ion: 65 Resp: 8674

Ion Ratio Lower Upper

65 100

92 224.4 54.6 82.0#

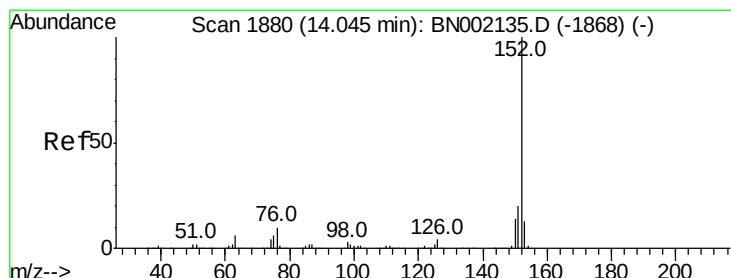
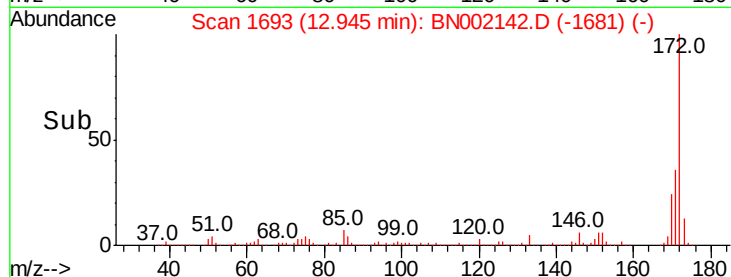
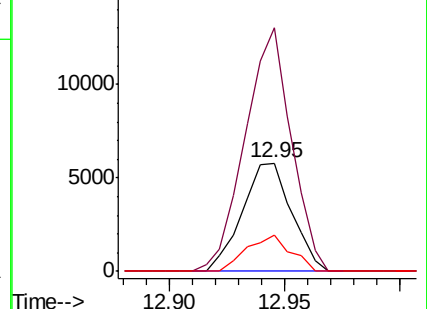
138 33.7 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BNO

Ion 92.00 (91.70 to 92.70): BNO

Ion 138.00 (137.70 to 138.70): BNO



#48

Acenaphthylene

Concen: 0.002 ng

RT: 14.45 min Scan# 1949

Delta R.T. 0.41 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

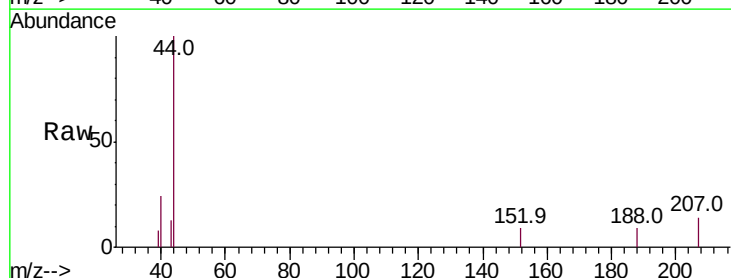
Tgt Ion: 152 Resp: 124

Ion Ratio Lower Upper

152 100

151 0.0 17.2 25.8#

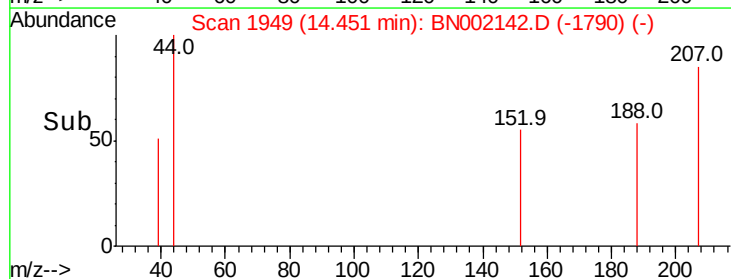
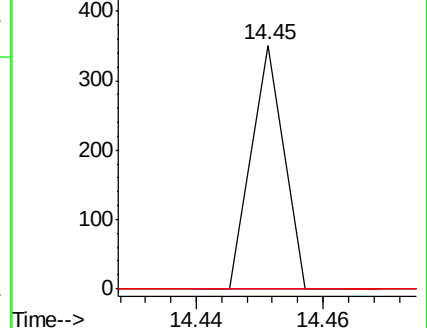
153 0.0 10.2 15.4#

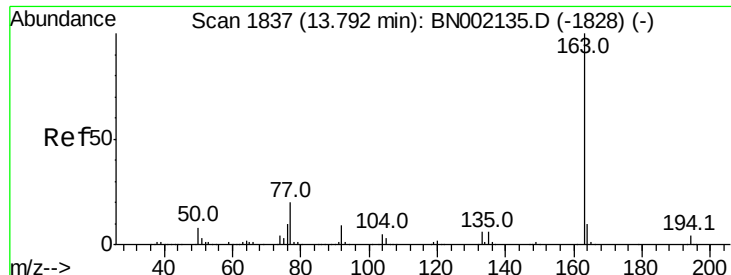


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 0.046 ng

RT: 13.79 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

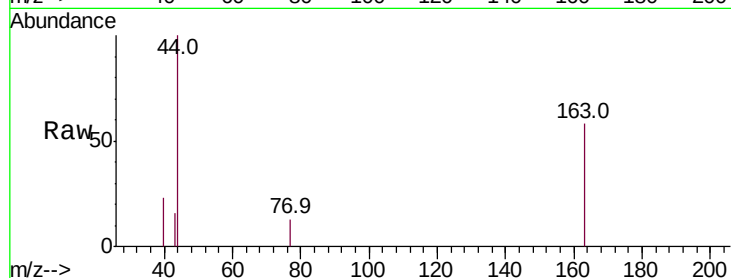
Tot Ion:163 Resp: 2879

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

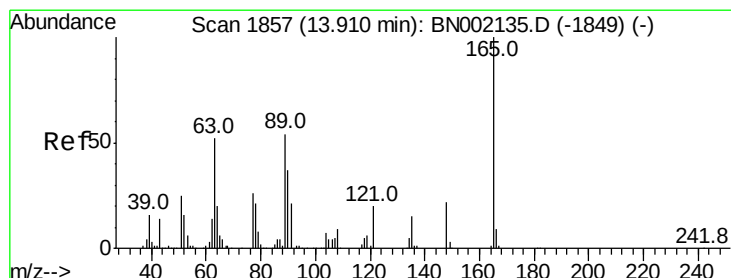
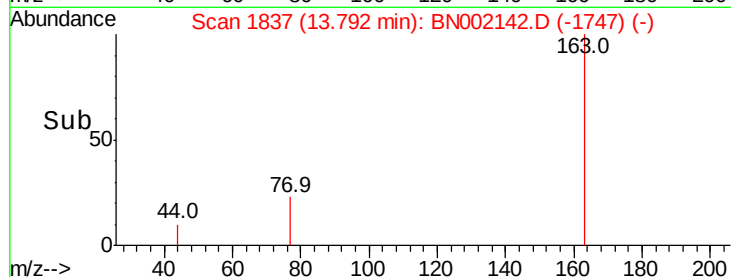
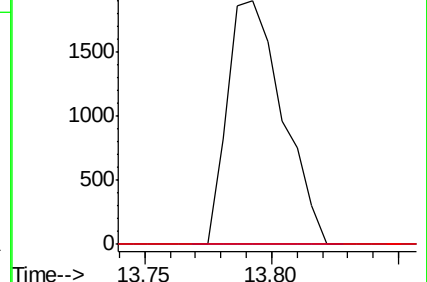
164 0.0 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 6.957 ng

RT: 14.32 min Scan# 1927

Delta R.T. 0.41 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

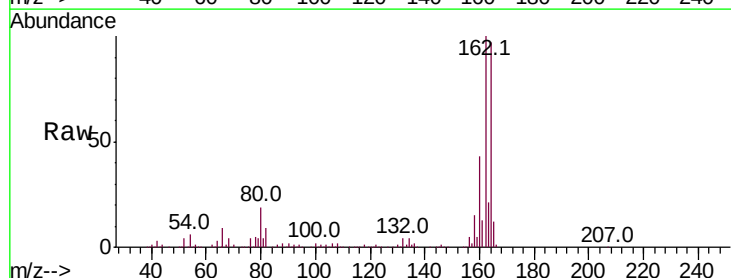
Tgt Ion:165 Resp: 96128

Ion Ratio Lower Upper

165 100

63 1.9 52.7 79.1#

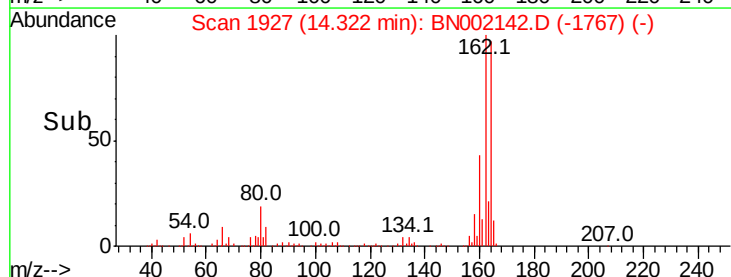
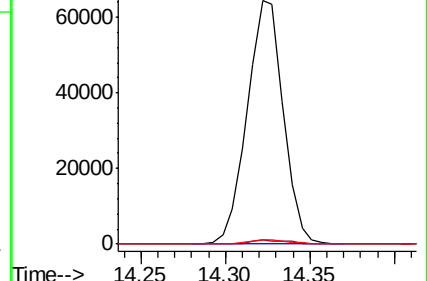
89 1.5 49.2 73.8#

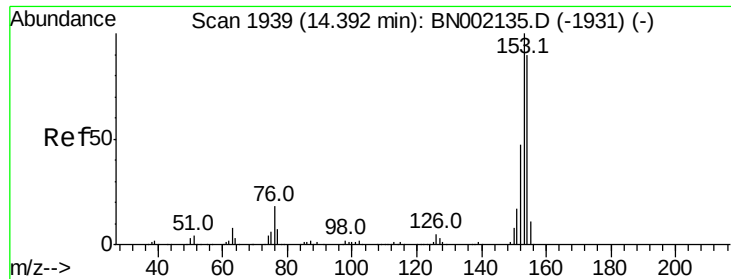


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 0.060 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.07 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

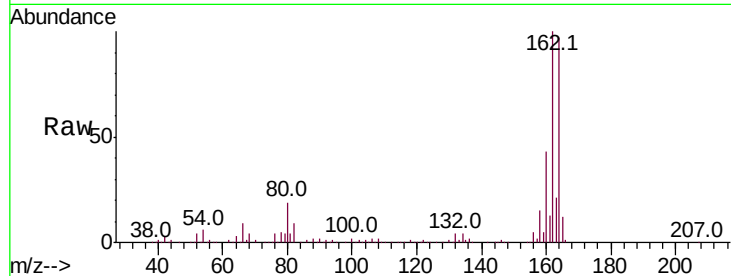
Tot Ion:154 Resp: 2806

Ion Ratio Lower Upper

154 100

153 0.0 90.4 135.6#

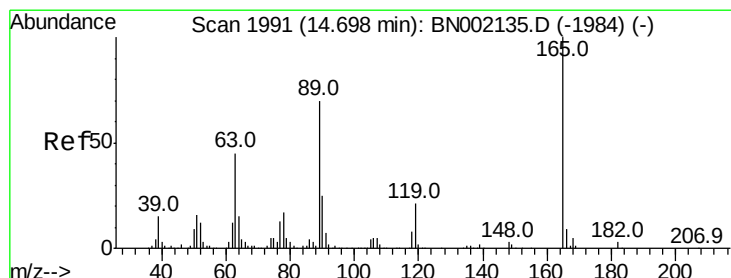
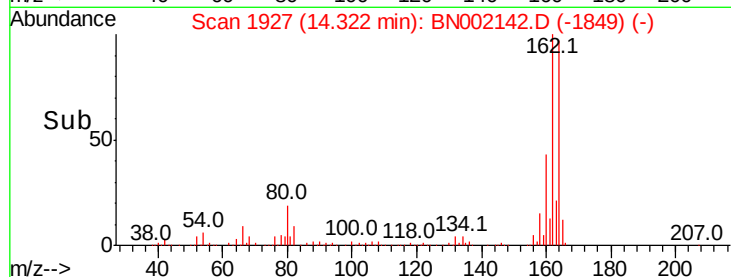
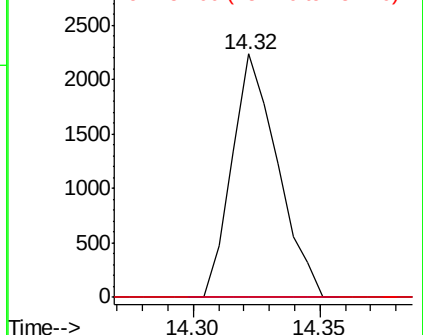
152 0.0 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 5.126 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.38 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Tgt Ion:165 Resp: 96128

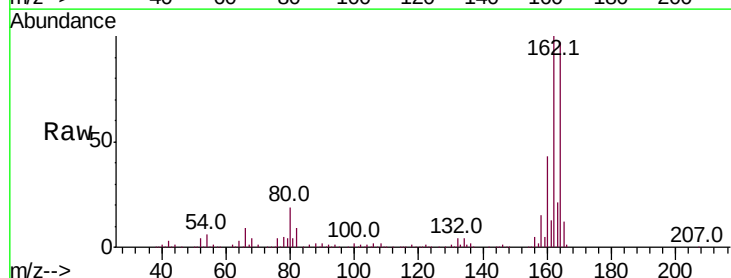
Ion Ratio Lower Upper

165 100

63 1.9 42.0 63.0#

89 1.5 66.9 100.3#

182 0.0 2.6 3.8#

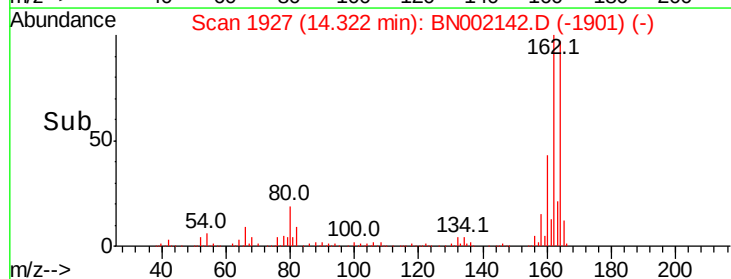
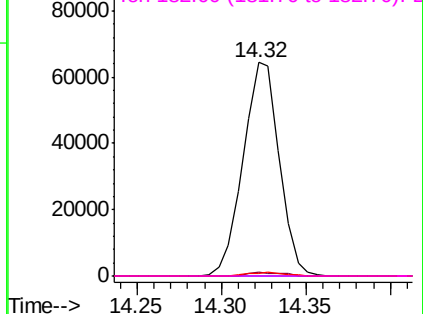


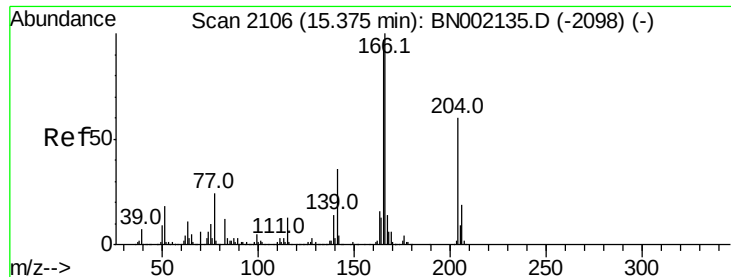
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E

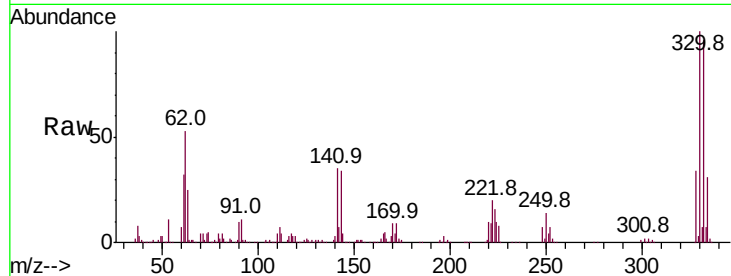




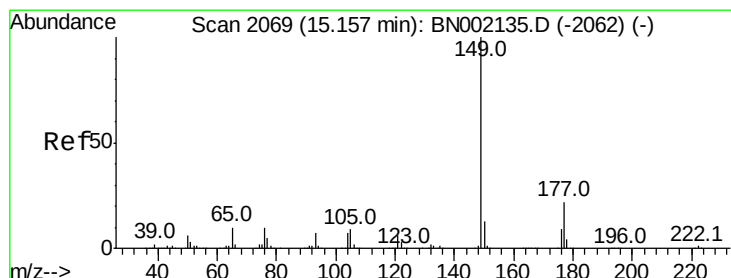
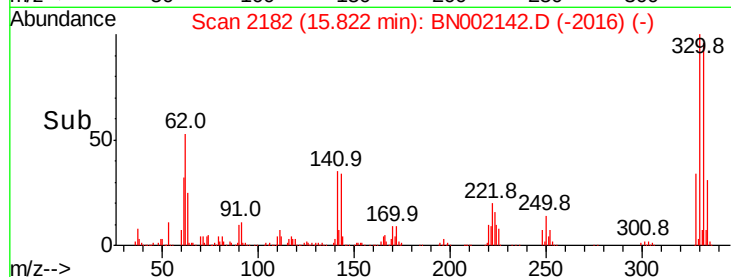
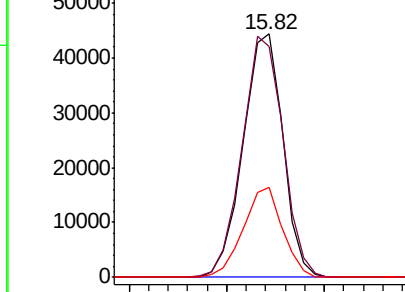
#57
Fluorene
Concen: 1.105 ng
RT: 15.82 min Scan# 2182
Delta R.T. 0.45 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Instrument :
BNA_N
ClientSampleId :

Tot Ion:166 Resp: 62787
Ion Ratio Lower Upper
166 100
165 95.1 80.6 121.0
167 42.2 10.4 15.6#

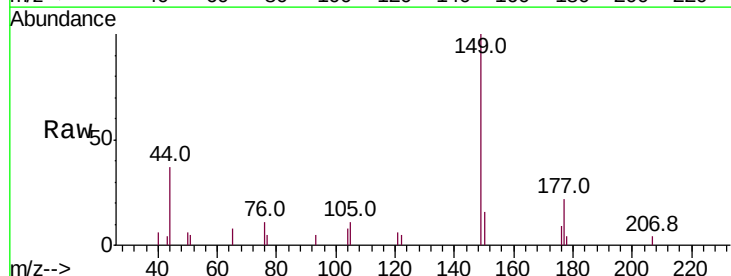


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

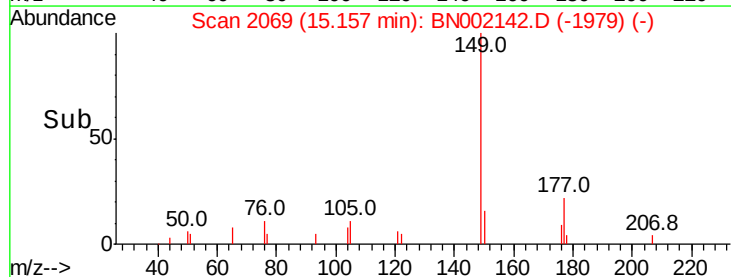
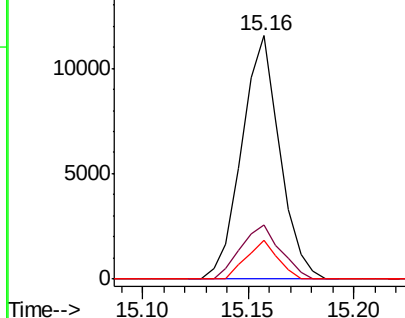


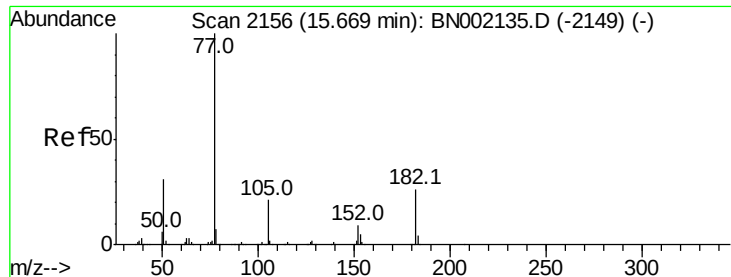
#59
Diethylphthalate
Concen: 0.228 ng
RT: 15.16 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Tgt Ion:149 Resp: 14449
Ion Ratio Lower Upper
149 100
177 22.0 18.5 27.7
150 15.8 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.114 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.15 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 77 Resp: 6923

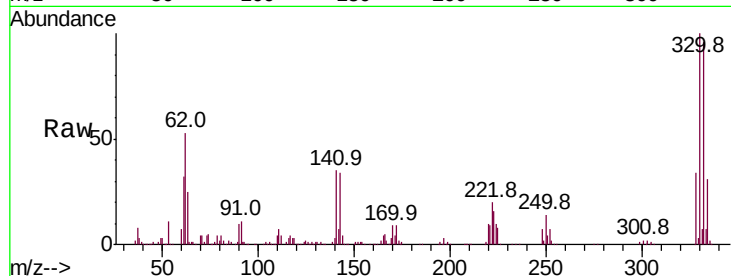
Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 84.9 0.3 40.3#

51 83.8 11.6 51.6#

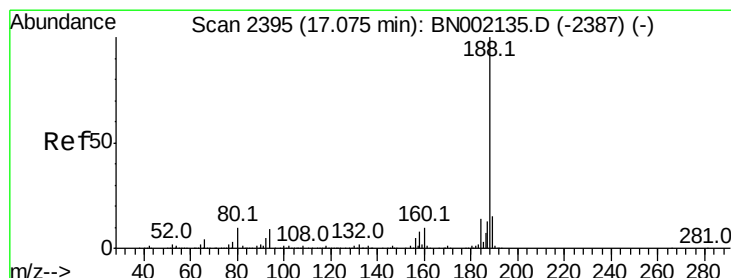
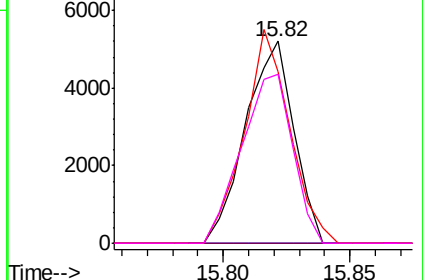
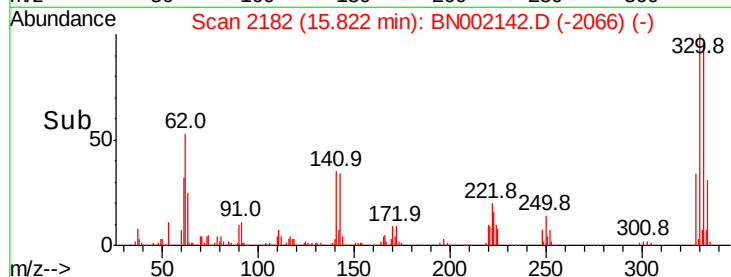


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 182.00 (181.70 to 182.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

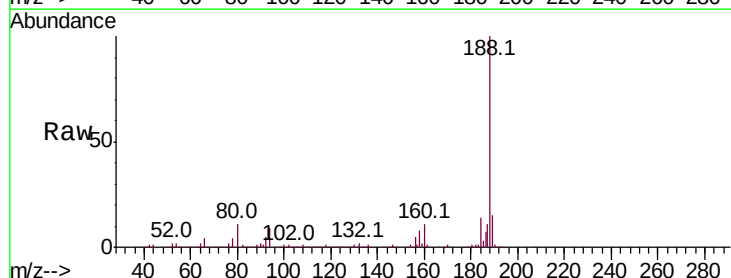
Tgt Ion: 188 Resp: 1649134

Ion Ratio Lower Upper

188 100

94 9.1 6.9 10.3

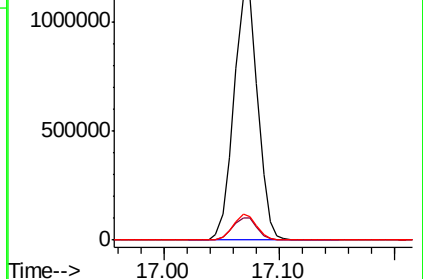
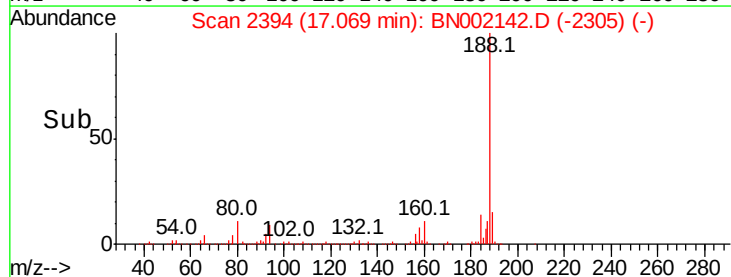
80 10.5 7.7 11.5

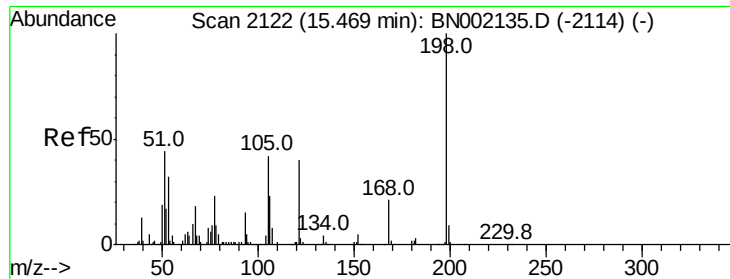


Abundance Ion 188.00 (187.70 to 188.70): BNC

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#64

4,6-Dinitro-2-methylphenol

Concen: 0.306 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.35 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

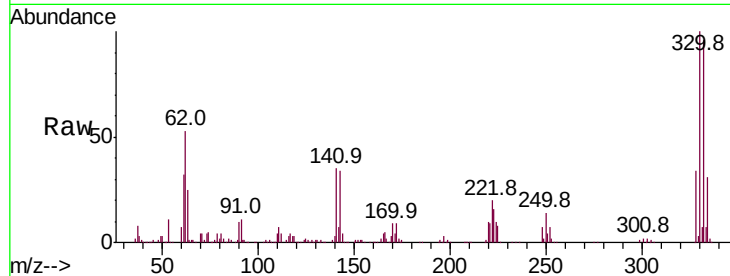
Tot Ion:198 Resp: 3411

Ion Ratio Lower Upper

198 100

51 173.2 30.6 70.6#

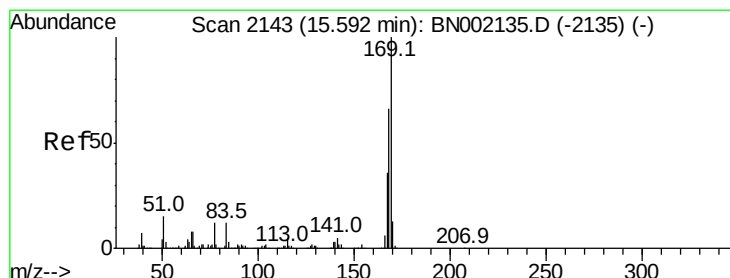
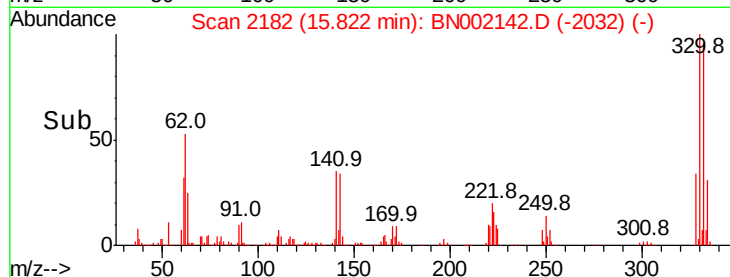
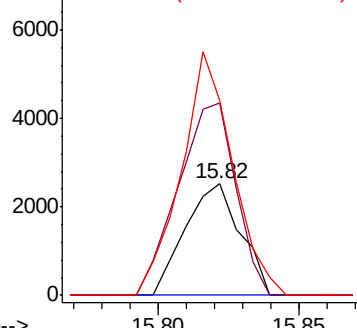
105 175.5 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.857 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.23 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

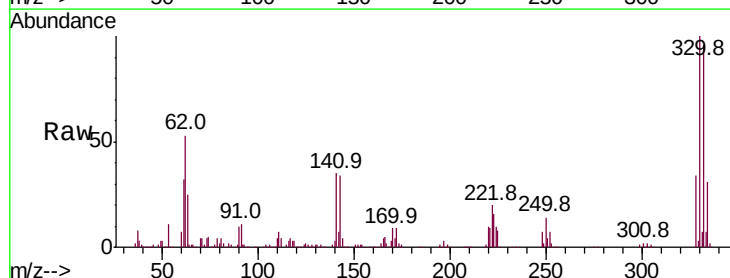
Tgt Ion:169 Resp: 46903

Ion Ratio Lower Upper

169 100

168 6.9 55.7 83.5#

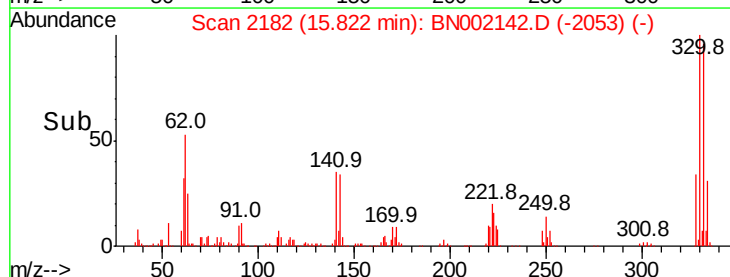
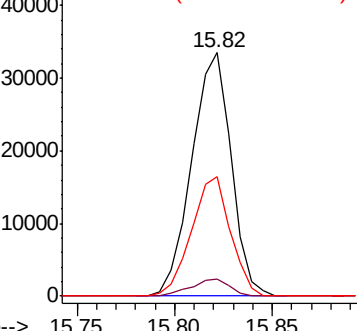
167 55.9 30.1 45.1#

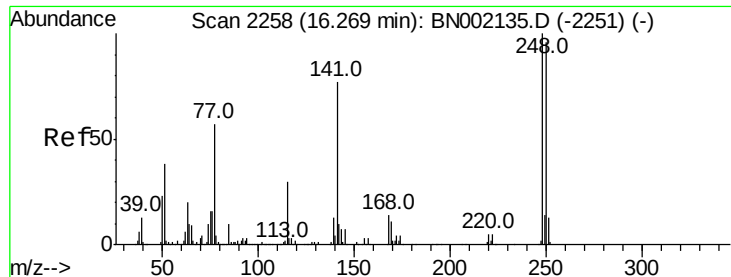


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

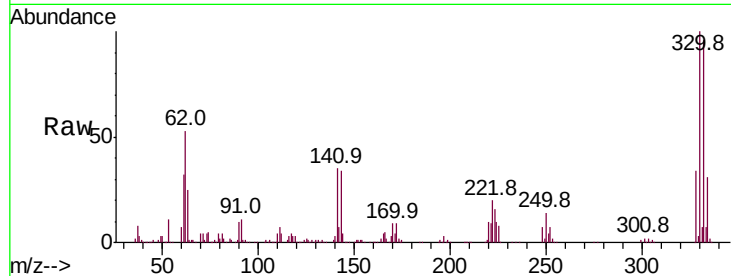




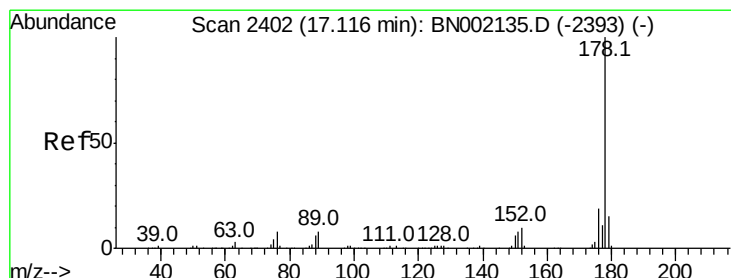
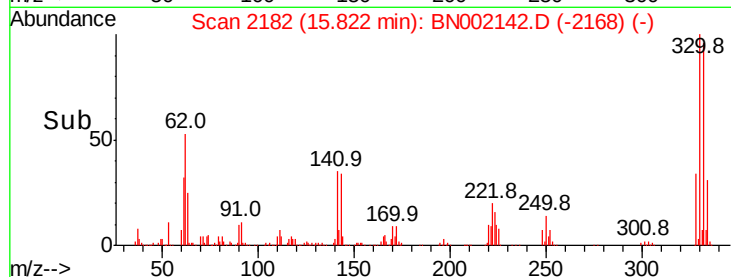
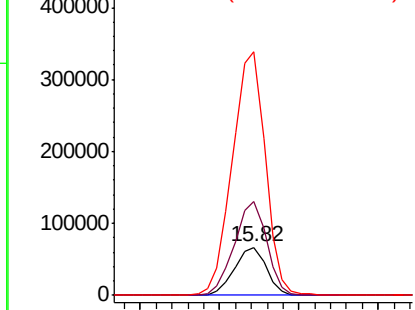
#66
 4-Bromophenyl-phenylether
 Concen: 4.828 ng
 RT: 15.82 min Scan# 2182
 Delta R.T. -0.45 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:248 Resp: 93205
 Ion Ratio Lower Upper
 248 100
 250 195.0 77.1 115.7#
 141 504.3 50.8 76.2#

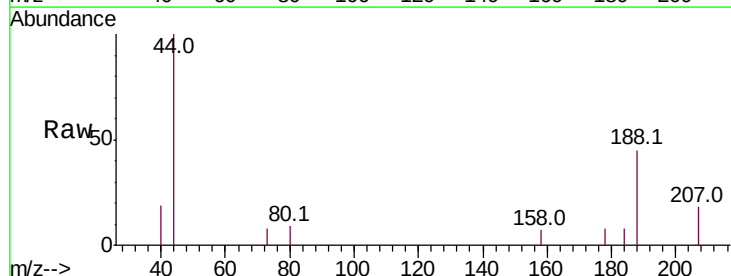


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

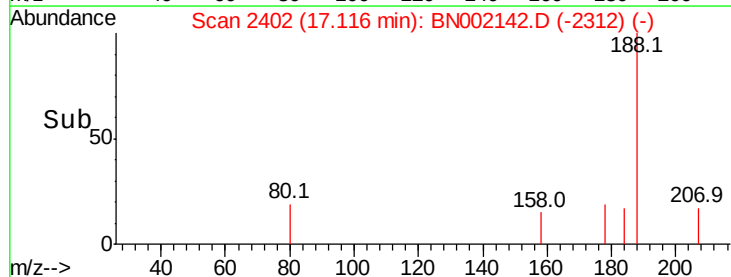
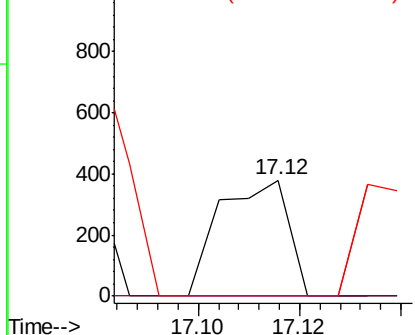


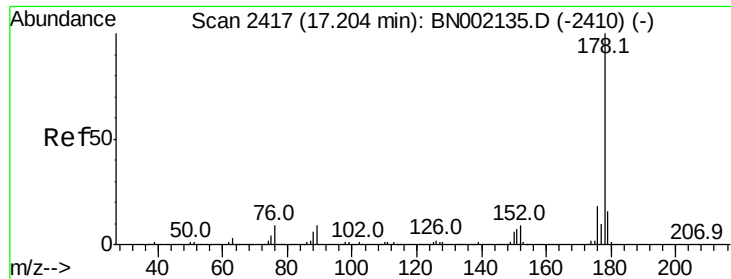
#70
 Phenanthrene
 Concen: 0.004 ng
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

Tgt Ion:178 Resp: 358
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.7 23.5#
 179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

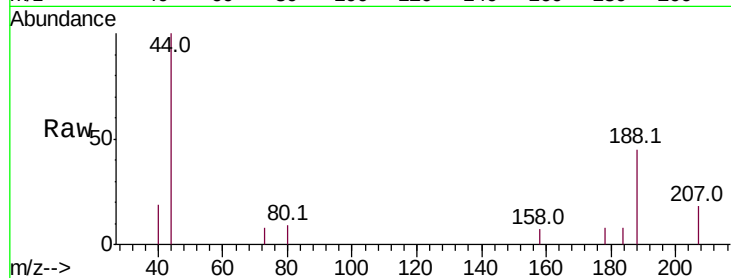




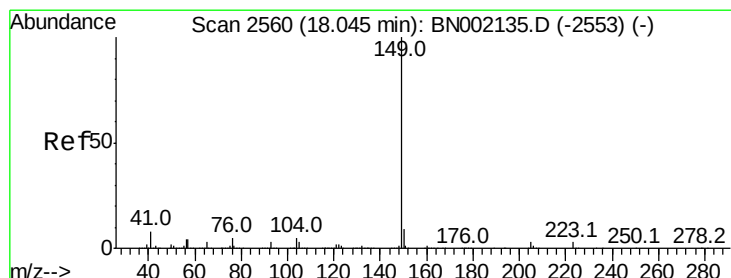
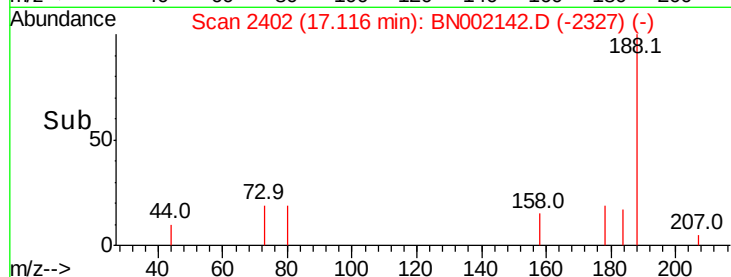
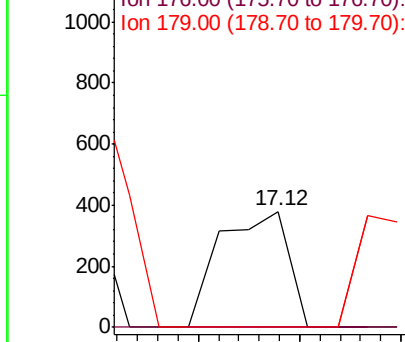
#71
 Anthracene
 Concen: 0.004 ng
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.09 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:178 Resp: 358
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.0 24.0#
 179 0.0 12.5 18.7#

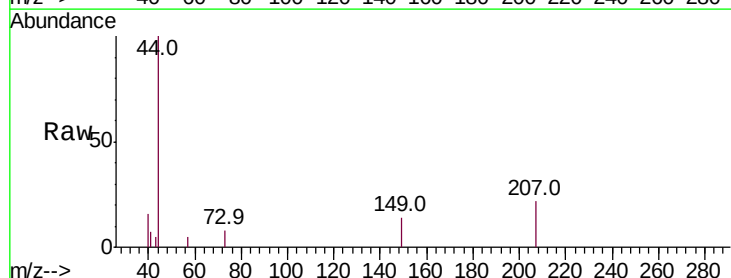


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

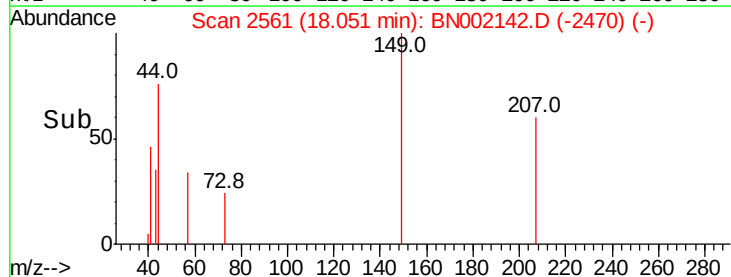
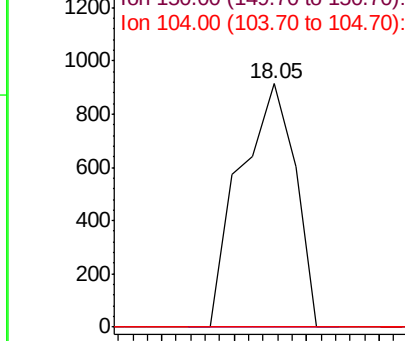


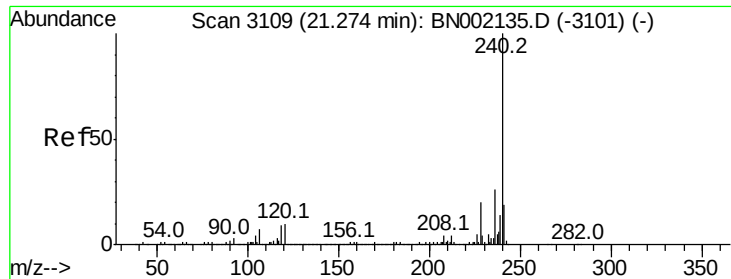
#73
 Di-n-butylphthalate
 Concen: 0.009 ng
 RT: 18.05 min Scan# 2561
 Delta R.T. 0.01 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

Tgt Ion:149 Resp: 964
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

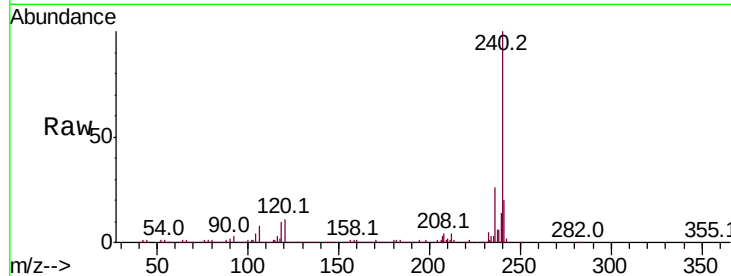
Tot Ion:240 Resp: 1443007

Ion Ratio Lower Upper

240 100

120 10.8 6.8 10.2#

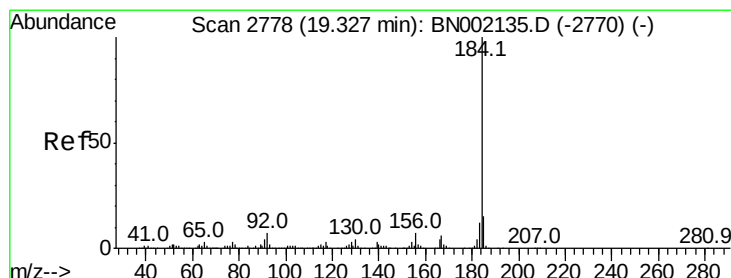
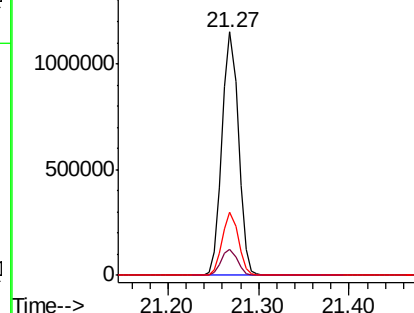
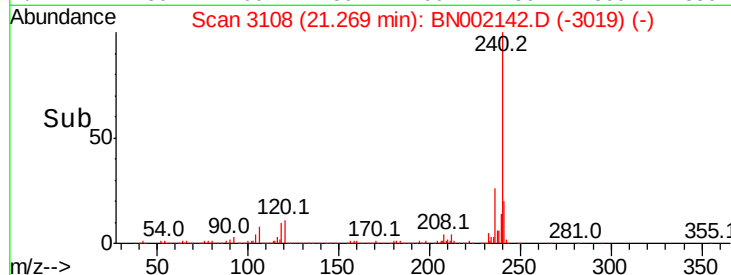
236 26.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.064 ng

RT: 19.33 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

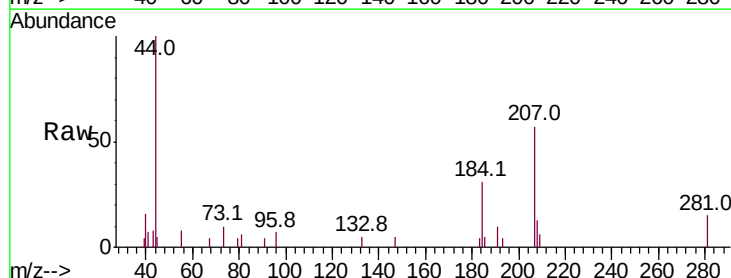
Tgt Ion:184 Resp: 3011

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

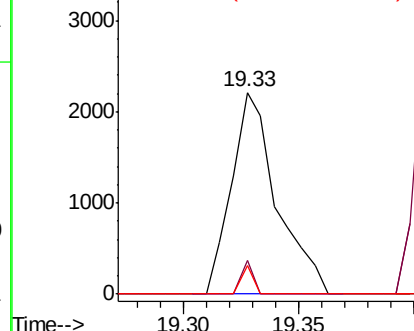
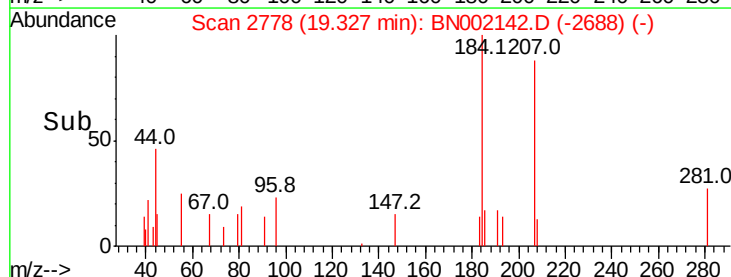
183 14.4 10.6 16.0

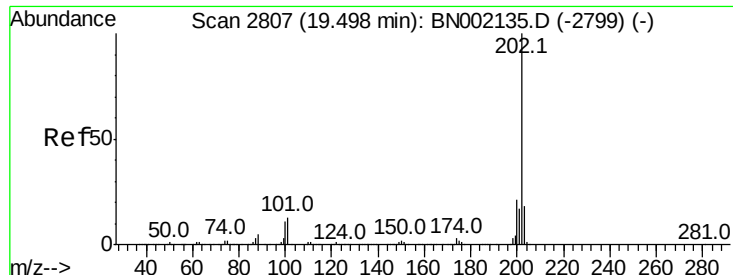


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.230 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.21 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampled :

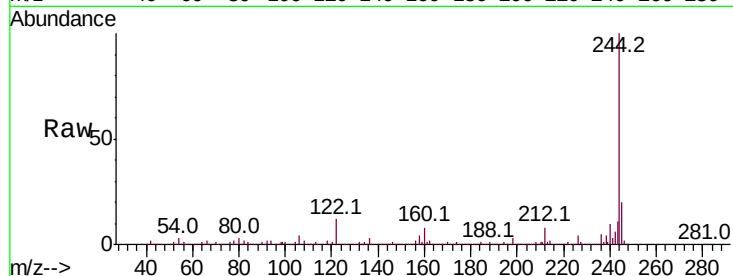
Tot Ion:202 Resp: 22901

Ion Ratio Lower Upper

202 100

200 55.4 16.9 25.3#

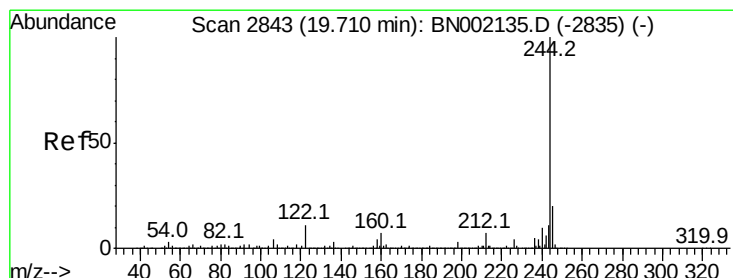
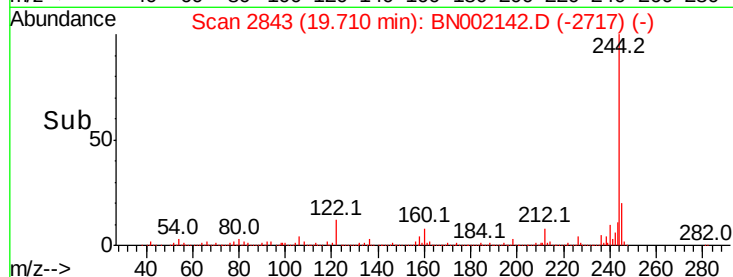
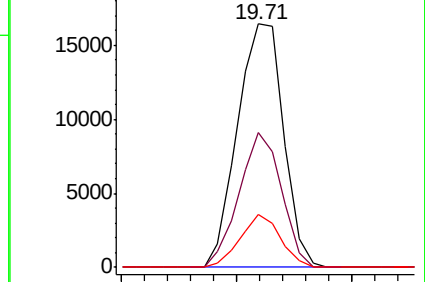
203 21.9 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 94.104 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

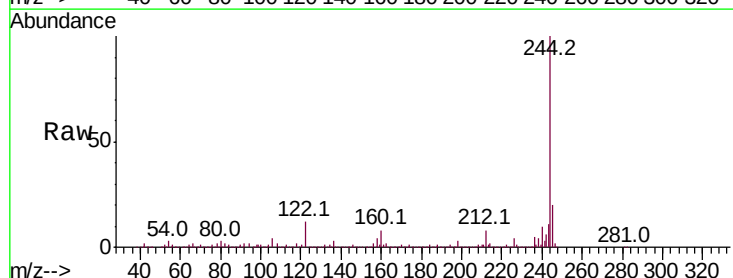
Tgt Ion:244 Resp: 6510860

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

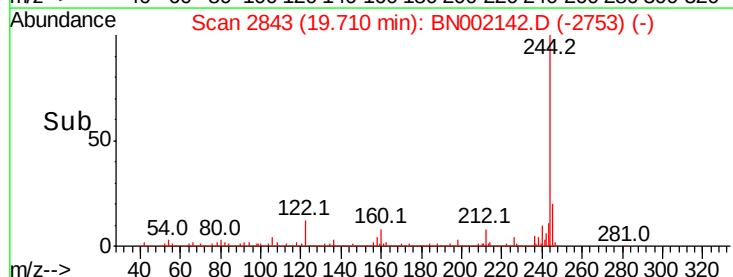
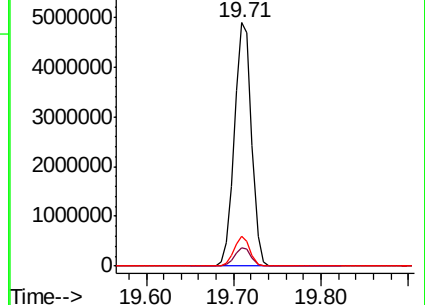
122 12.1 7.0 10.4#

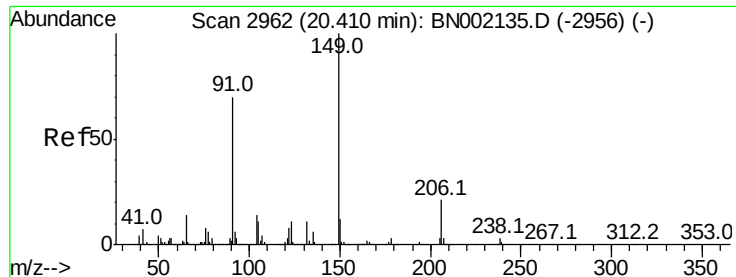


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

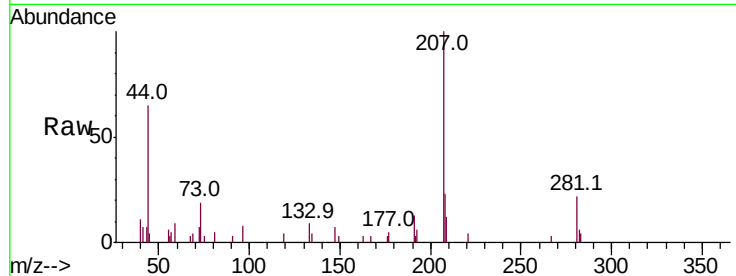




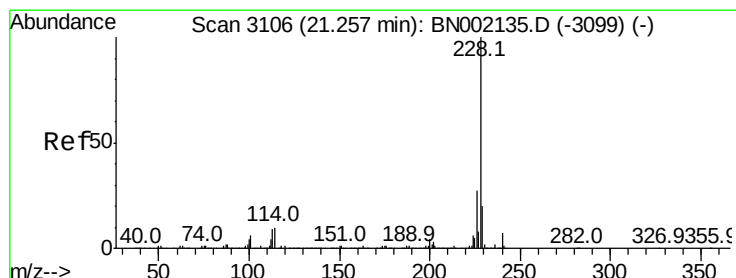
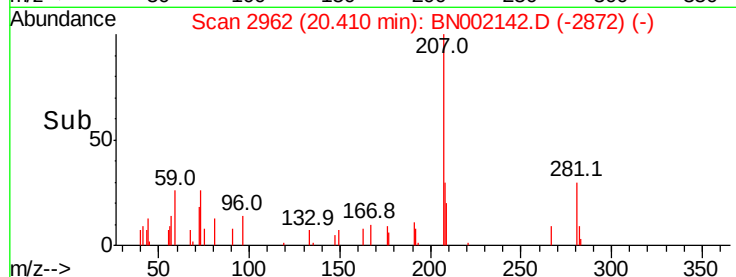
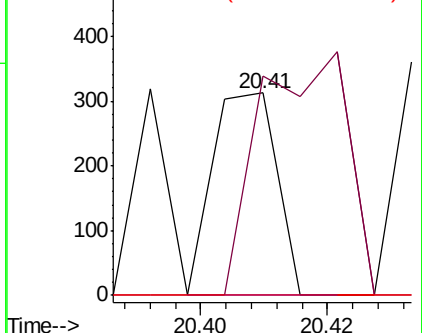
#79
Butylbenzylphthalate
Concen: 0.005 ng
RT: 20.41 min Scan# 2962
Delta R.T. 0.00 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Instrument :
BNA_N
ClientSampleId :

Tot Ion:149 Resp: 217
Ion Ratio Lower Upper
149 100
91 108.3 62.2 93.2#
206 0.0 18.6 27.8#

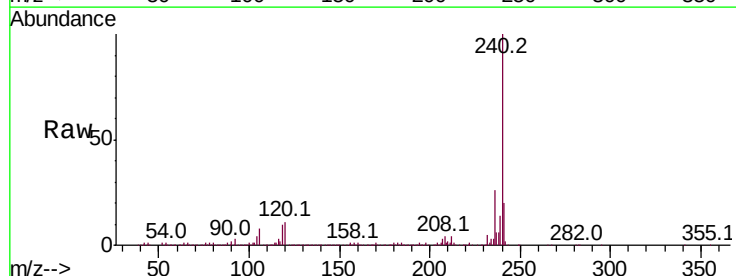


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BNO
Ion 206.00 (205.70 to 206.70): E

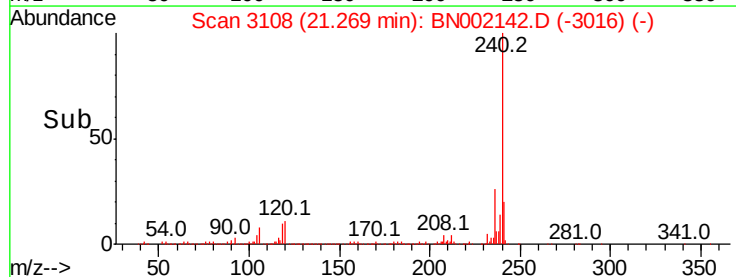
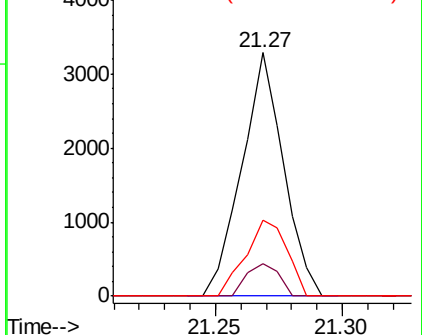


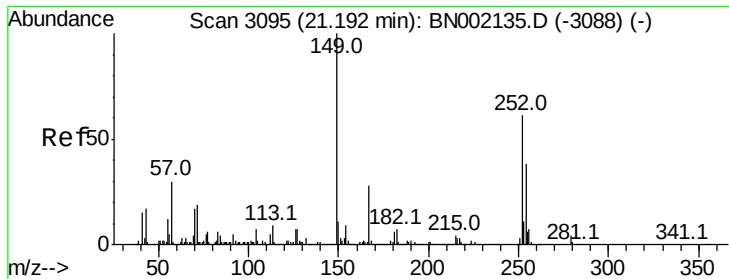
#80
Benzo(a)anthracene
Concen: 0.043 ng
RT: 21.27 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Tgt Ion:228 Resp: 3781
Ion Ratio Lower Upper
228 100
226 13.3 22.7 34.1#
229 31.3 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

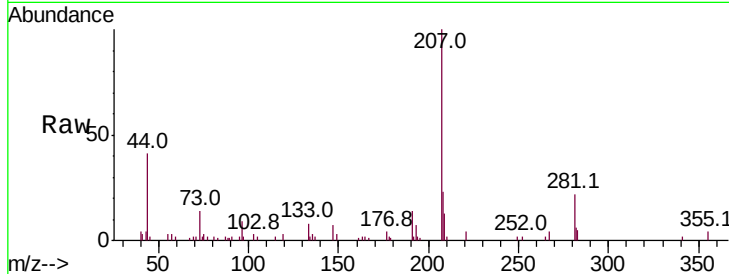




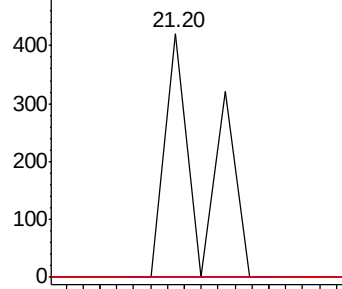
#81
 3,3'-Dichlorobenzidine
 Concen: 0.008 ng
 RT: 21.20 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

Instrument :
 BNA_N
 ClientSampled :

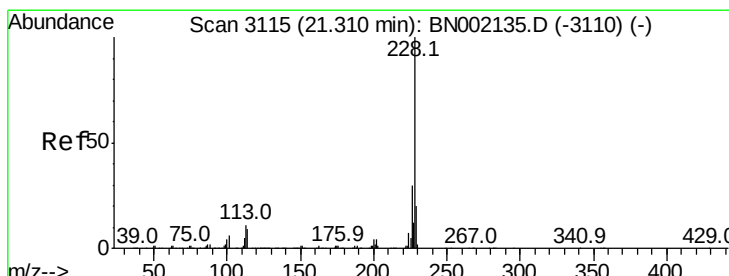
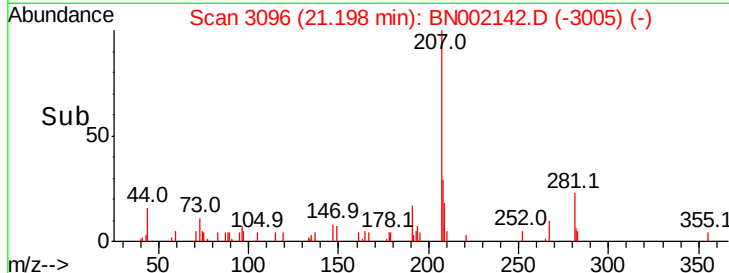
Tot Ion	Ratio	Lower	Upper
252	100		
254	0.0	50.8	76.2#
126	0.0	7.4	11.2#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

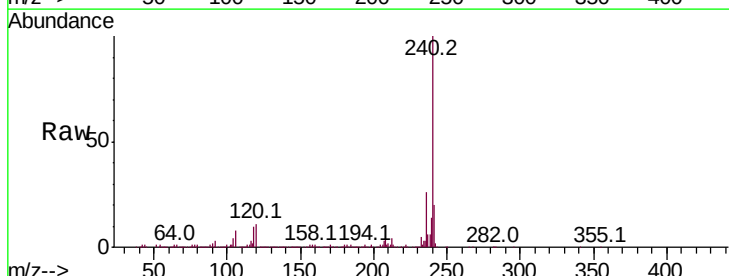


Time-->

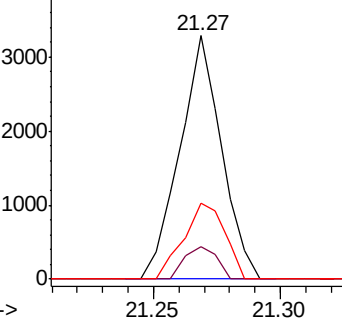


#82
 Chrysene
 Concen: 0.045 ng
 RT: 21.27 min Scan# 3108
 Delta R.T. -0.04 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

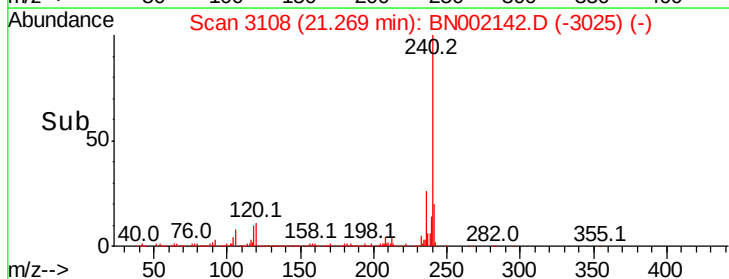
Tgt Ion	Ratio	Lower	Upper
228	100		
226	13.3	24.9	37.3#
229	31.3	15.0	22.4#

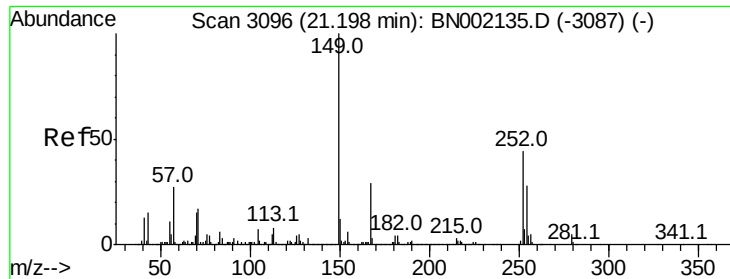


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->

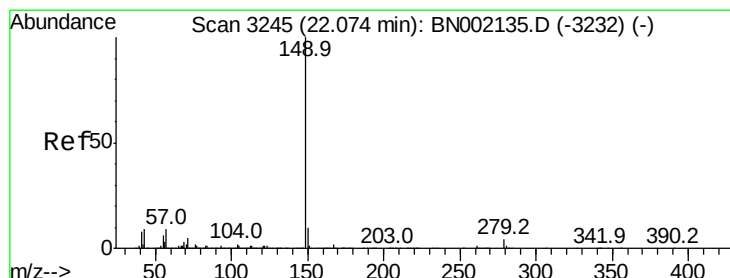
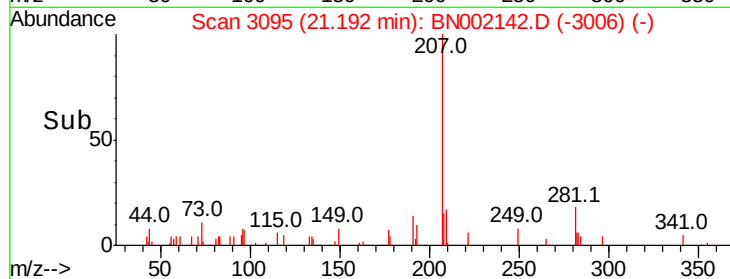
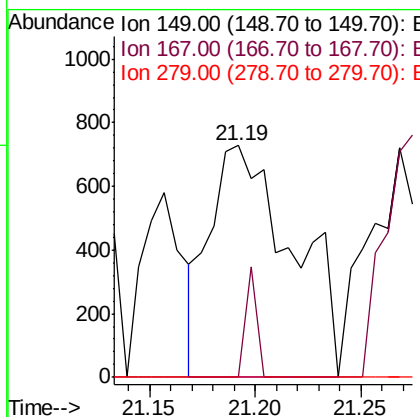
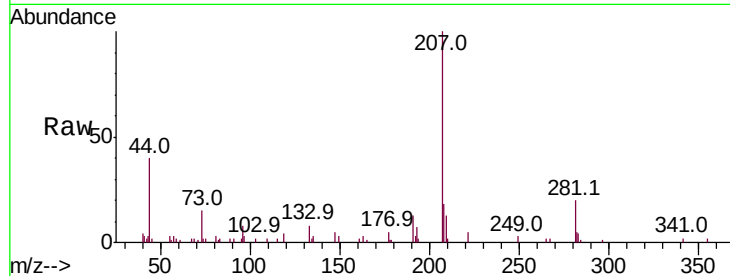




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.033 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.01 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

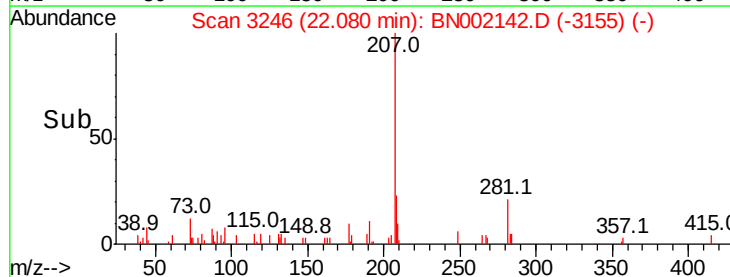
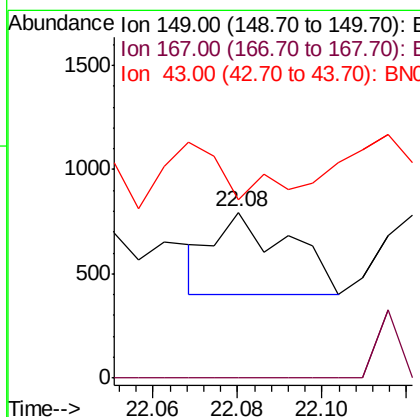
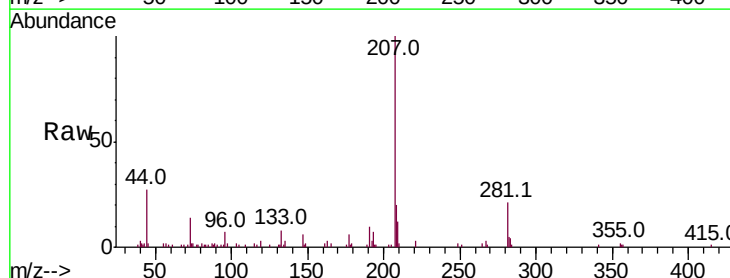
Instrument :
 BNA_N
 ClientSampleId :

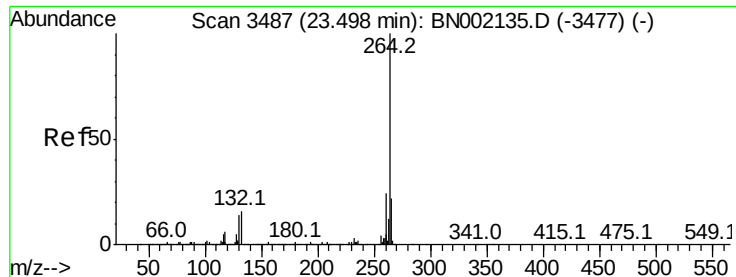
Tot Ion:149 Resp: 1978
 Ion Ratio Lower Upper
 149 100
 167 0.0 24.3 36.5#
 279 0.0 4.0 6.0#



#84
 Di-n-octyl phthalate
 Concen: 0.005 ng
 RT: 22.08 min Scan# 3246
 Delta R.T. 0.01 min
 Lab File: BN002142.D
 Acq: 25 Jul 2018 18:53

Tgt Ion:149 Resp: 469
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.4 2.0#
 43 0.0 8.9 13.3#

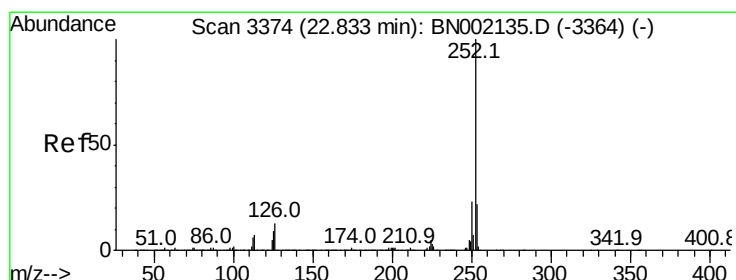
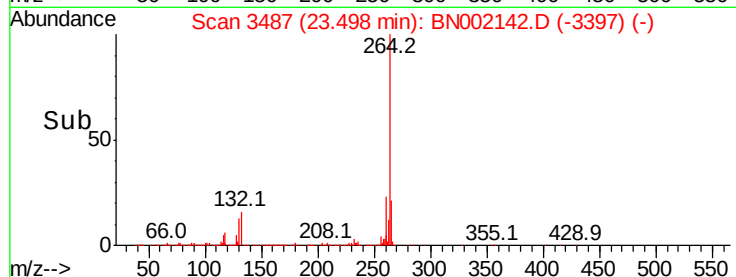
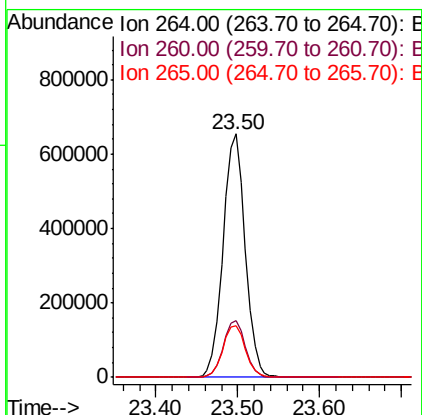
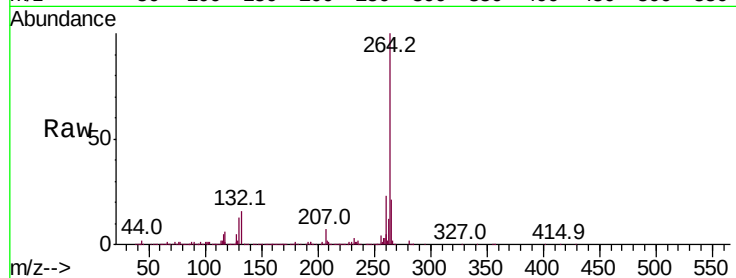




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.50 min Scan# 3487
Delta R.T. 0.00 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

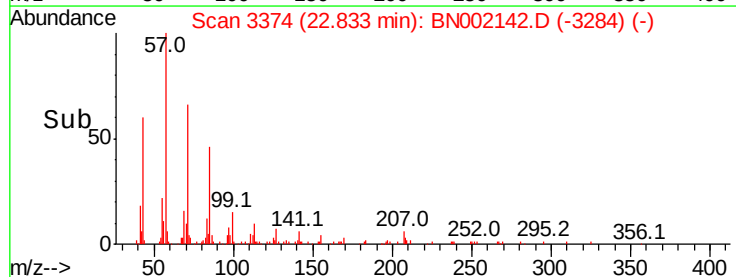
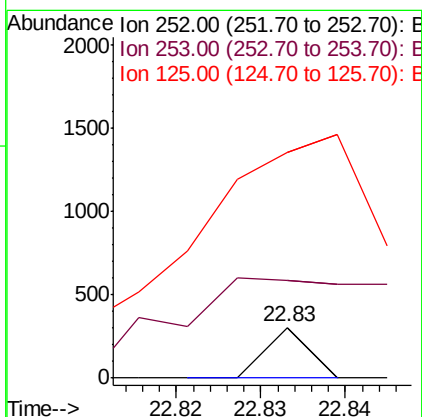
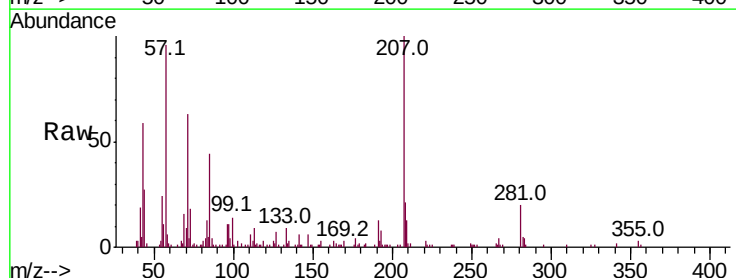
Instrument :
BNA_N
ClientSampleId :

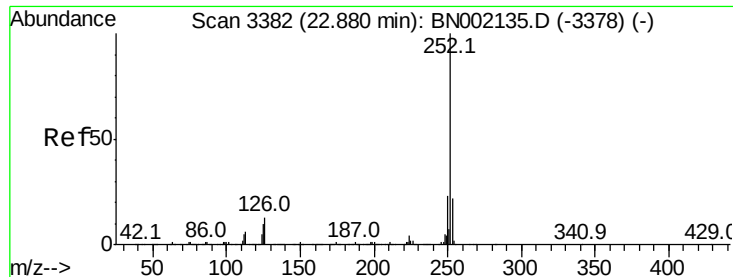
Tot Ion:264 Resp: 1230762
Ion Ratio Lower Upper
264 100
260 23.5 17.4 26.0
265 21.3 17.7 26.5



#87
Benzo(b)fluoranthene
Concen: 0.001 ng
RT: 22.83 min Scan# 3374
Delta R.T. 0.00 min
Lab File: BN002142.D
Acq: 25 Jul 2018 18:53

Tgt Ion:252 Resp: 108
Ion Ratio Lower Upper
252 100
253 192.1 18.2 27.4#
125 445.2 7.2 10.8#





#88

Benzo(k)fluoranthene

Concen: 0.006 ng

RT: 22.85 min Scan# 3377

Delta R.T. -0.03 min

Lab File: BN002142.D

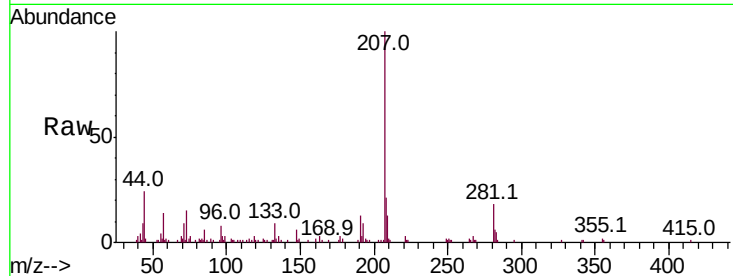
Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	252	Resp:	405
Ion	Ratio	Lower	Upper
252	100		
253	97.9	17.4	26.2#
125	193.8	6.6	9.8#

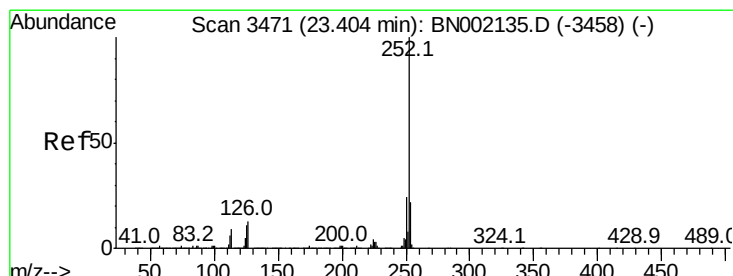
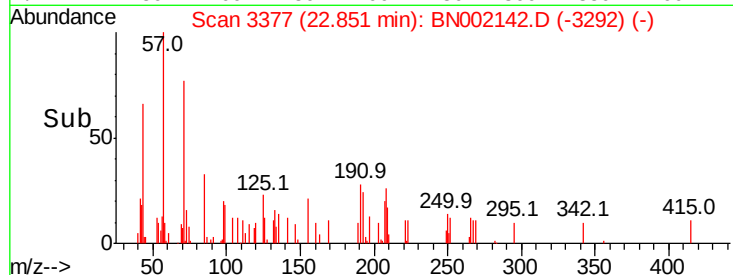
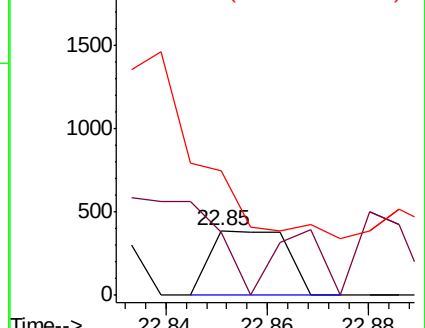


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 0.005 ng

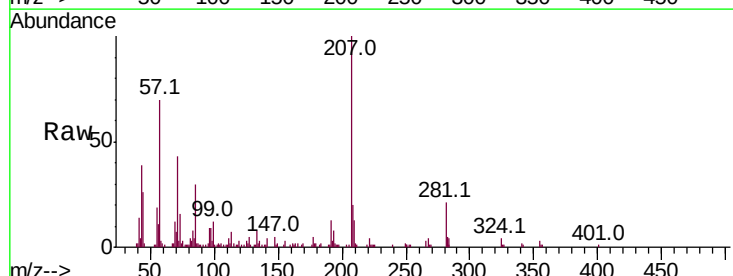
RT: 23.39 min Scan# 3469

Delta R.T. -0.01 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Tgt Ion:	252	Resp:	341
Ion	Ratio	Lower	Upper
252	100		
253	117.6	18.3	27.5#
125	377.2	7.3	10.9#

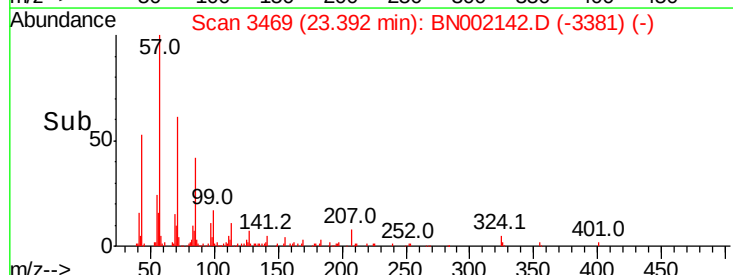
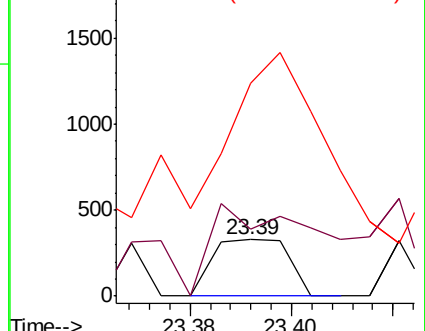


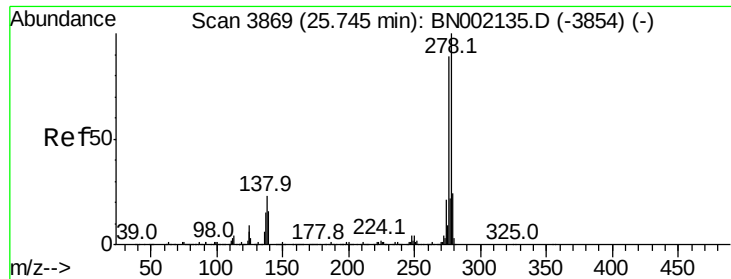
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 26.16 min Scan# 3939

Delta R.T. 0.41 min

Lab File: BN002142.D

Acq: 25 Jul 2018 18:53

Instrument :

BNA_N

ClientSampleId :

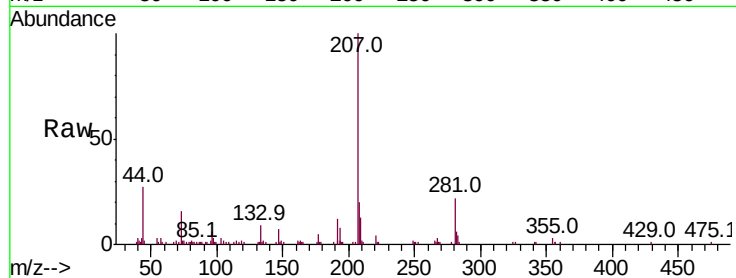
Tot Ion:278 Resp: 113

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.6#

279 0.0 18.4 27.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

